

1946
I
U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY

CEREAL CROPS AND DISEASES

AGRONOMIC NOTES

SAMPLE PAGE

VARIETAL TEST OF OATS, 1908

CONDITIONS OF EXPERIMENT

PLOT

Location-----Field H.
Size-----1/20 acre.

SOIL

Kind-----Prairie loam.
Position-----Somewhat rolling.
Previous crop-----Corn.

NAME AND CONDITION OF MACHINERY

Plow-----
Disk-----Osborn-----Sharp.
Harrow-----U Bar-----Good.
Seeder-----Monitor-----Good.

SEED

Variety-----Variable.
Weight per bushel-----Variable.
Source-----Variable.
Treatment-----Fanned clean and treated for smut.

SEED BED

Preparation:

1. Disked (lapped half)-----4-6-'08.
2. Disked (lapped half)-----4-10-'08.
3. Harrowed-----4-10-'08.
4. Harrowed-----4-27-'08.
5. Seeded-----4-27-'08.
6. Harrowed-----4-27-'08.

SEEDING

Manner-----Drilled.
Date-----4-27-'08.
Rate-----3 bushels per acre by weight.

TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation :

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date_____

Rate_____

TEST OF _____, 19____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation :

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date_____

Rate_____

TEST OF _____, 19____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date_____

Rate_____

TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date_____

Rate_____

TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation :

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date_____

Rate_____

TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation :

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date_____

Rate_____

TEST OF _____, 19____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation :

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date_____

Rate_____

TEST OF _____, 19____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation :

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date_____

Rate_____

1944 Maternal through 2230

B321B44-1

Nu 19/12/44

50

2001

2002

2

2003

3

2004

4

2005

5

2006

6

2007

7

2008

B32AB40-3 sel

297

1978 lawn	B321B40-3 sel			2009
✓ on floor	"			2010
✓ lawn	"			2011
✓ lawn	"			2012
051 m fl.	B321A2-5 sel			2013
504 late emula B40-3 floor	B321B44-1			2014
✓ lawn	2			2015
✓ on floor	3			2016

2017	B32/B44-4			504 late like nonfl
2018		5		✓ nonfl
2019		6		✓ nonfl
2020	B40-3		1945 - 110	
2021	B32/B40-3 hel			2978 flavor
2022		11		✓ flavor
2023				✓
2024	B32/B44-7			504 1/10/12

504 ✓ 7/2/44			-8		2025
✓			-9		2026
✓ non flav			-10		2027
✓			-11		2028
✓			-12		2029
✓			-13		2030
✓			-14		2031
suppressed latex plot 30/44					2032

2033 *stiff stranded Belver* 7. pl
9/30/7

2034 *Late Composite plot* Late comp
gold
Smooth

2035 *St CO* ✓

2036 *41-5-41 R & Sel (early)* 3057

2037 *B352A1-89-3-4, K & R* 3068
Narrow leaves
gap grain
R to CO

2038 *B355A2-36 m & l* select for HO record 9/198
198
m & l

2039 " do. ✓

2040 112

2987

B324B 43-1

2041

2988

-2

2042

✓

-2

2043

2989

-3

2044

2990

-4

2045

2946

B3313B 42,

2046

✓

"

2047

540

w-9/20/44

B3313B 44-1

2048

2049

B3313B442

540
1/20 9/20/

2050

-3

✓

2051

-4

✓

2052

-5

✓

2053

3313A1-20 wall cross Hamilton

2054

✓

2055

✓

2056

✓

✓	33/3A1-20	Half Cane	2057
✓		"	2058
✓		"	2059
13	Remo.		2060
✓	33/3A1-20	Half Cane	2061
✓		"	2062
✓		"	2063
✓		"	2064

2065

3313A1-20 Natl Crosses

✓

2066

much like original lent shorter
straw, longer grain, less sturdy
Is possibly same as parent (check)

✓

2067

long-gr

✓

2068

✓. good CO resistant types

✓

2069

straw smooth TP from Hamilton
Smooth CO resistant ^{from} ~~thru~~ ^{thru} seed (F₁)
types

2070

✓

2071

✓

2072

✓

Texas Patina lib omilton ough gold		2073
TP Hornilt med-gr	"	2074
✓ med-gr trans-putys ough (Fi)	"	2075
✓ tall ant	"	2076
✓ (Fi)	"	2077
✓ Hamilt (Fi)	"	2078
✓ med-gr ough (Fi) trans-putys	"	2079
13 Rexon	"	2080

are hybrid with a
ough med. type
CO resistant & type present.

2081	Texas Patna sub.			TP field pl Early plant
2082	"			✓ E. plant
2083	"			TP Hornell field
2084	"			✓
2085	"			✓
2086	greener than than TP or adjacent row.	"		✓
2087	"	"		✓
2088	"	"		✓

✓ Texas Pattern sel.

2089

✓ "

2090

✓ "

2091

✓ "

2092

✓ "

2093

✓ "

2094

✓ "

2095

✓ "

2096

2097	Texas Patina Sel (Hamiltonfield)	✓
2098	"	✓
2099	"	✓ med-gr
2100	Reborn	113
2101	Texas Patina Sel	✓ med-gr
2102	"	✓ med-gr
2103	"	✓ med-gr
2104	✓	✓

✓	Texas Patina Sel	2105
✓	"	2106
✓	"	2107
✓	"	2108
✓	"	2109
✓	"	2110
✓	"	2111
✓	"	2112

2113	Texas Patm del (nome)			2768
2114	"	"		2769
2115		"		2770
2116		"		2771
2117		"		2773
2118		"		2777
2119		"		✓
2120	Ryfo			112

983	Late Composite	2121
985	Texas Patina (Cottonwood)	2122
985	Upper stream in TP water	2123
985	"	2123
986	"	2124
986	Unknown TP type	2125
✓	"	2126
✓	"	2127
✓	"	2128

2129	Unknown TP type	260
2130	"	✓
2131	B4035A2-25-1, TPxR	3029
2132	"	✓
2133	2-26-1	3030
2134	"	✓
2135	2-28-3	3033
2136	2-31-1	3035

845 B4033A 4-15-1
ate

2137

"

2138

✓
Pmut

"

2139

✓
ate

13

2140

"

2141

✓
ate
olstrami

/hr

- 3

846
ate

2142

"

2143

✓
Pmut

"

2144

✓
ate

2145	B4033A 4-15-2, TP x R-7689	2846 late
2146	"	✓ TP mat
2147	-4	2848 late
2148	early	✓
2149	"	✓ late
2150	early	✓
2151	Unknown possibly TP or R x R-D	2859
2152	4033A 4-31-1 an excellent Rep. type Very green straw, possibly as late as Rep. Advance no C.O. on	2861 late

262 te	B 4033A 4-52-1	2153
263	33-1	2154
276	46-1	2155
276	11	2156
977	4030 A 3-4-1	2157
✓	11	2158
995	-5	2159
✓		2160

2161

B 4030 A 3-4-5

Excluded later row
per mat

2995

2162

-6

2996

2163

"

✓

2164

watch for
exceptionally long grain
types

A 3-4-7

2997
Very strong
short st

2165

"

✓

2166

"

✓

2167

AB=13-4

3005

2168

-6

3007

008 ong grain utter dolly	4030A3-15-1	2169
009	-2	2170
011	-4	2171
v	11	2172
013	B 4030A3-21-1	2173
v	11	2174
015	-3	2175
018	A3-26-1	2176

H6

2177	B4030 A3-28-2 ✓		3022
2178	B4032 A 3-1-3 Dr ✓ Very green straw		2881 late
2179	A 3-3-1		2882 late
2180			113
2181	A 3-18-1 early		2883
2182	A 3-33-1 early		2884
2183	" early		✓
2184	Same R & Co and some mil A 3-36-1 A Tr on 1/23		2885

2886	4030A3-27-1 (R-7889 x TP) no CO on 11/23/46	2185 HW
026	4034A3-16-1, TP x R.D. Tr CO on 11/23/46	2186 HW
027	-2	2187
888	3713A8-1-1	2188
✓	"	2189
2890	A8-1-3	2190
2892	A10-1-2	2191
✓	"	2192

2193 3713 A10-1-3 SxR

fewer straw than
other lines

2893

2194 A13-2-1, 1

2894

2195 "

✓

2196 A17-2-1

2895

2197 A18-1-1

2896

2198 A9-2

3037

2199 A9-2

3042

2200

112

43	5713A17-2-4, SXR	2201
46	A14	2202
	11	2203
78 old ball 1	B 346B 42-5 SxN	2204
924	39-18 11	2205
926	41-2	2206
927	42-1	2207
928 ate	11	2208

2209	B 346842-3, S x N	2930
2210	43-1, "	2932 Vilong grain
2211	very large seed "	✓
2212	"	✓
2213	3 47839-18, R x N	2906
2214	"	✓
2215	841-7	2911
2216	"	✓

912

347B42-2, R x N

2217

"

"

2218

090

347B40-7, "

2219

3,

2220

047

late, short,
transd mia
type, later
than Ruvoo~~347B 41-4 R x N~~20 miny late
match
v. stiff Trans
v good
P to W

B42-2-1

2221

Hv

048

late mia type

2222

049

late mia type

-2

2223

933

376A 2-7-2 (IBR-F x S)

2224

2225	376A2-7-2 (FBR-FxS)	2933
		✓ stuff straw no shett
2226	"	2934
2227	"	2935
2228	"	2936
2229	"	2937
		similar to 44-2933, except smud
2230	"	✓ ✓

~~start of 1945 material~~

2231 Texas Patna heads from PI. 7/17/45 (Jones)
Plants from 1st row block, shorter & less color on flower
Texas Patna, 45-1

2232 " 45-2

Texas Patna 45-3

2233

" 45-4

2234

" 45-5

2235

" 45-6

2236

" 45-7

2237

" 45-8

2238

" 45-9

2239

13
Re Texas Patna - A

2240

2241

Texas Patna - 45-9

2242

"

45-10

2243

"

45-11

2244

"

45-12

2245

"

45-13

2246

"

45-14

2247

"

45-15

2248

"

45-16

Texas Patna 45-17

2249

"

45-18

2250

"

45-19

2251

"

45-20

2252

"

45-21

2253

"

45-22

2254

"

45-23

2255

"

45-24

2256

21

	Texas Patna - 45-25			
2257	Texas Patna from Pl. Possibly earlier than average 8/31/45 H. L. L. in '46 than others			
2258	"	45-26		285
2259	"	45-27		285
2260	Texas Patna A-A (ck) Texas Patna ck			113
2261	B43-280-1, Straw TP			285
2262	B3412 B41-1-1, CAxR ✓			266
2263	B3412 B41-1-2, "			
2264	B3412 B41-1-3, "			

✓ B3412B41-1-4, CA x R

2265

✓ B3412B41-1-5, "

2266

✓ B3412B41-1-6, "

2267

✓ " B41-1-7, "

2268

097 B4044A3-1-1-6-1, R-SBR x BR

2269

Unknown

2270

"

2271

"

2272

Have many large granules,
Hatched by chewing with
jaws long

2273 unknown. unknown

2274 B322 B45-1, R x F

2275 B32/B45-1, R x D
as short as 46-3 but much greener
than pink later. 2 mo

2276 B32/B45-1, R x D
no Co, very long stem, non-flowering

2277 B32/B45-2, R x D

2278 3

2279 4

2280 B32/B45-3, R x D, ck 110

B321B45-7, RxD.

2281

-8

2282

-9

2283

-10

2284

-11

2285

-12

2286

52 B3B13A1-20F, vague 2287

2288

2289

552

2290

✓

2291

✓

2292

✓

2293

✓

2294

✓

2295

CO resistant
v good

✓

2296 gold sub from B3313A1-20

1/plo

	gold hull sel from B33/SAI-20	2297
Photo		
✓	"	2298
✓	"	2299
2	Rivar ck.	2300
252	Nira sel gold hull	2301
✓	"	2302
✓	"	2303
451	B27-66-1-1	2304

2305	Mia del (gold-hulla) B 2766-10-11	2451
------	--------------------------------------	------

2306	" - 3	
------	-------	--

2307	" - 4	
------	-------	--

2308	" - 5	
------	-------	--

2309	" - 6	
------	-------	--

2310	" - 7	
------	-------	--

2311	" - 8	
------	-------	--

2312	" - 9	
------	-------	--

45)	B2766-110 mra sel (gold hulls) earlier than others or one back faster	2313
	" -10 earlier than others or does not faster	2314
	" -12	2315
	" -13	2316 <u>Hr</u>
	" -14	2317 <u>Hr</u>
	" -15	2318
	" -17	2319 <u>Hr</u>
3	Texas Patma ck Lance R.	2320

2321	B2766-1-16 Mica sel. (gold hulls) a very good lot type no Co, V green straw	2451
2322	24 hulls, straw for Co. slight green straw V. good.	277
2323	F5- Kyh mix #7, TPx long slender-grain 4017	
2324	Have the Indian paper propoth habit, most green leaves	✓
2325	"	✓
2326	"	✓
2327	"	✓
2328	Short straw, resistant to Co. " "	4018

218	Hyle Mix #2, TPx long slender grain short straw			2329
215	Hyle-Mix-9-41, TP and Rx long slender grain			2330
218	"	9-44,	"	2331
223	"	9-48,	"	2332
✓		"		2333
✓		"		2334
✓		"		2335
✓		"		2336

2337 Hylb. Mix - 9-48, TP+R x long slender 422

Look v. good

2338 Producers "green stream

all look alike, short (Ozark)

2339

2340 Texas Patina Ack

113

2341 Hylb-Mix - 10-44-40, TR+R x R-D 427

W

2342

W

2343

W

2344

W

273 Hyle-Mix-10-44-40, TPR x R-D 2345

hr

all have " short CO spots
but very green vegetation
straw, sturdy 2346

hr

2347

hr

"

2348

hr

414 B37/3A14-1, S x R 2349

"

2350

31 B37/3A3-2-3, S x R 2351

1)

2352

2353	B3713A2-2-3, SxR	4331
------	------------------	------

2354	"	✓
------	---	---

2355	"	✓
------	---	---

2356	"	✓
------	---	---

2357	B3713A3-1-1, SxR	4336
------	------------------	------

2358	"	✓
------	---	---

2359	"	✓
------	---	---

2360	Review, check	112
------	---------------	-----

336	B3713A 2-1-1, SXR	2361
✓	"	2362
✓	"	2363
✓	"	2364
✓	"	2365
✓	"	2366
96	B4026A 5-23-4-1, R-7689 xR Pulver mastic, V stop straw for all 7 sub.	2367
✓	B4026A 5-23-4-2, "	2368

2369	B4026A5-23-4-3, R-7689 x R		2196
2370	Very good use Subst for self grown nitrogen feed	-4	✓
2371		-5	✓
2372		-6	✓
2373		-7	✓
2374	Resistant maturity, prob Co resistant	-8	2197
2375		-9	✓
2376		-10	✓

197

B4026A5-23-4-11

2377

-12

2378

✓

guinea strain and heavier str⁻¹³
than T.P. R. Co. or at least v. short sp. b
guinea than other sils. *Se b*

2379

13

T Patna check

2380

197

B4026A5-23-4-14

2381

029

B4030A3-13, R-7689 x R

2382

quite early
V. short strain

Hu

"

2383

"

2384

Very short strain
short grain.

2385	B4026A3-13, P-7689 xR	4029
2386	"	✓
2387	B403/A1-1-13-1, TP x R-5BR Very short straw, very green straw Stiff straw a dramatic in place of seed grain in yield tests	2/28
2388	" - 2"	✓
2389	" - 3"	✓
2390	" - 4"	✓
2391	B403/A1-7-8, "	40297
2392	" "	✓

4097	B403/A1-7-8, TPX R-SBR	2393
✓	" "	2394
139	B403/A1-6-2, " "	2395
✓	" "	2396
✓	" "	2397
✓	" "	2398
184	B403/A1-7-5, " CO resistant type, very long grain	2399
2	Rexon check	2400

2401	B4031A1-7-5, TPxR-SBK	2184
------	-----------------------	------

2402	"	"	v
------	---	---	---

2403	B4033A4-15-6, TPxR-7689	4114
------	-------------------------	------

2404	"	"
------	---	---

2405	"	"
------	---	---

2406	"	"
------	---	---

2407	"	"
------	---	---

2408	"	"
------	---	---

114

B4033A4-15-6, TPxR-7689

2409

116

"

"

2410

"

"

2411

"

"

2412

"

"

2413

"

"

2414

21

B4033A4-38-1-1, "

2415

"

"

2416

B 4033A4-38-1-1, TPx R-7689

2417

4/21

2418

2419

2420 + Patna ch.

4/13

B 4033A4-38-1-1

2421

11

4/21

2422

2423

2424

421

B4033 A4-38-1-1, TPR-7689

2425

✓

2426

✓

2427

✓

2428

✓

2429

✓

2430

22

B4033 A4-38-1-2,

"

2431

✓

2432

2433

B4033A4-38-1-2, TPxR-7689

4/22

2434

✓

✓

2435

✓

2436

✓

2437

✓

2438

✓

2439

✓

2440

Rexon, chuck

112

122

B4033A4-38-1-2, TPxR-7689

2441

✓

2442

✓

2443

✓

2444

✓

2445

✓

2446

✓

2447

✓

2448

2449

B4033A4-38-1-2, TPR-7689

4122

2450

B4033A4-38-1-3,

"

4123

2451

2452

2453

2454

2455

2456

123 B4033A4-38-1-3, TPxR-7689 2457

✓

2458

✓

2459

13 Texas Patina A, check 2460
Trans pat.

23 B4033A4-38-1-3, TPxR-7689 2461

✓

2462

✓

2463

24 B4033A4-38-1-4, " 2464

2465	B4033A4-38-1-4, TPR-7689	4/24
------	--------------------------	------

2466	✓	
------	---	--

2467	B4033A4-38-1-5,	" 4/25
------	-----------------	--------

2468	✓	
------	---	--

2469	✓	
------	---	--

2470	✓	
------	---	--

2471	✓	
------	---	--

2472	✓	
------	---	--

125

B4033A 4-38-1-5, TP, R-7689

2473

✓

2474

✓

2475

126

B4033A 4-38-1-6, "

2476

✓

2477

✓

2478

✓

2479

2

Return, check

2480

2481

B4033A 4-38-1-6, TPxR-7689

4126

2482

✓

2483

plants highly suscep to phy Br.
present.

2484

✓

2485

✓

2486

✓

2487

✓

2488

✓

26

B4033A4-38-1-6, TPR-7689

2489

✓

2490

✓

2491

✓

2492

✓

2493

27

B4033A4-38-1-7, TPR-7689

2494

✓

2495

✓

2496

2497

B4033A4-38-1-7, TPxR-7689

4/2

2498

✓

2499

✓

2500

Texas Patina A, check

1/3

2501

B4033A4-38-1-7, TPxR-7689

2502

✓

2503

✓

2504

✓

1/27

B4033A4-38-1-7, TPR-7689

2505

✓
earlier & shorter stem than others

2506

✓

2507

✓

2508

✓

2509

✓

2510

✓

2511

✓

2512

2513	B4033A4-38-1-7, T.P.R-7689	412
------	----------------------------	-----

2514	✓	
------	---	--

2515	✓	
------	---	--

2516	B4033A4-38-1-8,	2128 prob 4/28
------	-----------------	----------------------

2517	✓	
------	---	--

2518	✓	
------	---	--

2519	✓	
------	---	--

2520	Texas Patron A check	113
------	----------------------	-----

28. PB4033 A4-38-1-8 TRK-7689 2521

✓

2522

✓

2523

✓

2524

✓

2525

✓

2526

✓

2527

✓

2528

2529

B4033A4-38-1-8, TPxR-7689

2/28

2530

✓

2531

✓

2532

✓

2533

✓

2534

✓

2535

B4033A4-38-1-9, TPxR-7689

4/29

2536

✓

129 B4033A4-38-1-9 TPR-7689 2537

✓

2538

✓

2539

3 Texas Petra A. check 2540

B4033A4-38-1-9, TPR-7689 2541

✓

2542

✓

2543

✓

2544

2545	B4033A4-38-1-9, TPRK-7689	4/25
------	---------------------------	------

2546	B4033A4-38-1-10,	4/30
------	------------------	------

2547	✓	
------	---	--

2548	✓	
------	---	--

2549	✓	
------	---	--

2550	✓	
------	---	--

2551	✓	
------	---	--

2552	✓	
------	---	--

130	B4033A4-38-1-10, TPxR-7689	2553
	✓	2554
	✓	2555
131	B4033A4-38-1-11	2556
	✓	2557
	✓	2558
	✓	2559
3	Texas Patna A, ck	2560

Two an early Pops
 under them 10.12

Very long run

~~11.12~~
 12.12

2561

B40 33 AH-38-1-11, TPxR-7689

4/31

2562

✓

2563

✓

2564

✓

2565

✓

2566

✓

2567

✓

2568

✓

31 B4033A4-38-1-11, TPxR-7689 2569

✓

2570

32 B4033A4-38-1-12, " 2571

✓

2572

✓

2573

✓

2574

✓

2575

Is earlier than TP

2576

HW sub

2577	B4033A4-38-1-12, TP, R-7689	4/32
------	-----------------------------	------

2578	✓	
------	---	--

2579	✓	
------	---	--

2580	Return, check R	1/2
------	--------------------	-----

2581	B4033A4-38-1-12,	"
------	------------------	---

2582	✓	
------	---	--

2583	✓	
------	---	--

2584	✓	
------	---	--

132 B4033A4-38-1-12, TPxR-7689 2585

✓

2586

✓

2587

✓

2588

✓

2589

✓

2590

✓

2591

✓

To enclose
them TP

2592

~~Handwritten signature~~
file

2593	B4033A4-38-1-12, TPxR-7689	4/32
------	----------------------------	------

2594	✓	
------	---	--

2595	✓	
------	---	--

2596	✓	
------	---	--

2597	✓	✓
------	---	---

2598	B4033A4-38-1-13, TPxR-7689	4/33
------	----------------------------	------

2599	✓	
------	---	--

2600	Texas Patino, clerk	113
------	---------------------	-----

133

B4033A4-38-1-13, TPxR-7689

2601

✓

2602

✓

good

2603

Hr

2604

✓

2605

✓

2606

✓

2607

✓

2608

2609 B4033 AH-38-1-13, TPxR-7689 4133

2610 ✓

2611 ✓

2612 ✓

2613 ✓

2614 ✓

2615 ✓

2616 ✓

33

B4033A4-38-1-13, TPx R-7689

2617

✓

2618

34

B4033A4-38-1-14, "

2619

3

T Patna ck

2620

34

B4033A4-38-1-14, "

2621

✓

2622

✓

2623

✓

2624

2625	B4033A4-38-1-14, TPxR-7689	4134
------	----------------------------	------

2626	✓	
------	---	--

2627	✓	
------	---	--

2628	✓	
------	---	--

2629	✓	
------	---	--

2630	✓	
------	---	--

2631	✓	
------	---	--

2632	✓	
------	---	--

34 B4033 A4-38-1-14, TP, R-7689 2633

✓

2634

✓

2635

✓

2636

✓

2637

✓

2638

✓

2639

2 Review, check

2640

2641

B4033A4-38-1-14, TPxR-7689

4134

✓
2642

B4033A4-38-1-15,

"

4135

2643

✓

2644

✓

2645

✓

2646

✓

2647

✓

2648

✓

35

B4033A4-38-1-15, TPxR 7689

2649

✓

2650

✓

2651

36

B4033A4-38-1-16,

"

2652

✓

2653

✓

2654

✓

2655

✓

2656

2657 B4033A4-38-1-16, TPXR-7689 413

2658 ✓

2659 ✓

2660 Texas Patra A, check 113

2661 B4033A4-38-1-16 "

2662 ✓

2663 ✓

2664 ✓

B4033AH-38-1-16, TPxP-7689

2665

✓
One of subject ✓

2666

Ho

2667

✓
2668✓
One of subject ✓

2669

Ho

2670

✓
2671✓
2672

2673	B4033A4-38-1-16, TPxR-7689	413
------	----------------------------	-----

2674	✓	
------	---	--

2675	✓	
------	---	--

2676	✓	
------	---	--

2677	✓	✓
------	---	---

2678	B4033A4-38-1-17, "	413
------	--------------------	-----

2679	✓	
------	---	--

2680	Rison, Chuck	112
------	--------------	-----

27

B4033A4-38-1-17, TPxR-2689

2681

~~One of many best
 early~~

2682

1st
 2nd

2683

2684

2685

2686

2687

2688

2689 B4033A4-38-1-17, TP & R-7689
4/37

2690 ✓

2691 ✓

2692 ✓

2693 ✓

2694 ✓

2695 ✓

2696 ✓
B4033A4-38-1-17, TP & R-7689
4/37

27 B4033A4-38-1-17, TPxR-7689 2697

✓

2698

✓

2699

Texas Patryn del A. Chubb

2700

B4033A4-48-1-17, TPxR-7689 2701

✓

2702

✓

2703

✓

2704

2705	B4033A4-38-1-17, TR R-7689	4/37
------	----------------------------	------

2706	✓	✓
------	---	---

2707	B4035A4-38-1-18, TR R-7689	4/38
------	----------------------------	------

2708	✓	
------	---	--

2709	✓	
------	---	--

2710	✓	
------	---	--

2711	✓	
------	---	--

2712	✓	
------	---	--

138

B4038 A4-38-1-18, TPxR-7689

2713

✓

2714

✓

2715

✓

2716

✓

2717

✓

2718

✓

2719

12

Revoir, check

2720

2721	B4033A4-38-1-18, TPxR-7689		4138
2722	✓		
2723	✓		✓
2724	B4033A4-11-1,	"	2207
2725	✓		✓
2726	B4033A4-12-1, Rex no mat	"	2210
2727	✓	"	✓
2728	B4033A4-17-1,	"	2214

214	B4033A4-17-1,	TPxR-7689	2729
✓	✓		2730
221	B4033A4-31-1,	"	2731
✓	✓	"	2732
			<u>Hv</u>
63	B4033A4-47-9,	"	2733
234	B4035B44-11-1,	TPxR	2734
✓	-2	"	2735
✓	-3	"	2736

2737	B4035B44-11-4, TPXR		4234
2738	-5, "	✓	
2739	B44-12-1, "		4235
2740	T. PatraAck		113
2741	B4035B44-12-2, "		4235
2742		✓	✓
2743	B4035A2-4 Stiff straw	"	278
2744	" "	"	278

247	B4035B44-22-1, TP x R	2745
30	B4035A2-13,	2746
247	B44-22-2	2747
247	<i>shorter than than TP</i> - 3	2748 <i>Dr</i>
397	B4036A1-7-2, R-D x R	2749
	✓	2750
	✓	2751
	✓	2752

2753	B4036 A1-7-7, P-D x R	4403
------	-----------------------	------

2754	✓	✓
------	---	---

2755	✓	✓
------	---	---

HW

2756	✓	✓
------	---	---

2757	R x Pro of silo. (off typed)	misfile
------	------------------------------	---------

2758	✓	✓
------	---	---

2759	✓	✓
------	---	---

2760	T. Patina A, check	113
------	--------------------	-----

etchell R x P. Lf. off types

2761

✓

2762

✓

2763

✓

2764

✓

2765

✓

2766

✓

2767

✓

2768

2769 R x Pn Lf Lelo (offtypes)

Mitchell

2770 ✓

2771 ✓

2772 ✓

2773 ✓

2774 ✓

2775 ✓

2776 ✓

I. ze R x P₂ Lf sel: longer grain than average 2777

g ✓ 2778

thell R x P₂ Lf sel (off types) 2779

g R x P₂ Lf, check 2780

thell R x P₂ Lf. sel (off type) 2781

✓ 2782

✓ 2783

✓ 2784

2785 Rx Pr Lf sel (aff types)

Mutche

2786 ✓

2787 ✓

2788 ✓

2789 ✓

2790 ✓

sel prot CO Mast

2791 ✓

sel prot CO Mast

2792 ✓

sel prot CO Mast

shell	R x P	L	Sh (off type)	2793
-------	-------	---	---------------	------

✓

2794

✓

2795

✓

2796

✓

2797

✓

2798

✓

2799

✓	Revero, chuck	2800
---	---------------	------

2801 Rx P₂ 1/2 sel (app types)

Mitch

2802 ✓

2803 ✓

2804 ✓

2805 8/28 ✓

2806 flavoured Rx P₂ 1/2 sel. (gold).

f. Plot

Del
1.9

~~start of BK material~~

2807 Hyb Mix-3-44-1, S-EPX CA Cdy 2465

2808 ✓

465

Hyh. Muz - 3-44-1, S-EP x CA Cdy

2809

✓

2810

✓

2811

41

B3810 B44-12, S-EP x CA Cdy
8/27

2812

✓

2813

✓

2814

✓

2815

✓

2816

2817 B323B45-1, R x S BR

Save short straw plants

Bulb plot

2818

-2

2819

-3

2820

Blue Rose, check

79

2821

B 323B45-4 R x S BR

✓

V. good BR type

gold Hullo

longer than BR

Some 10 in adv on ripe stage (11/18/46)

2822

-5

2823

-6

2824

-7

old
ed
B323B45-8, R x S BK

2825

-9
In BK type
R to Co
short. green stem

2826

Hr

-10

2827

-11

2828

short stiff stem
small seeds, smooth
2x very outstanding
R to Co an 11/18/46

-12

2829

Hr

adr

92
B4044B-1-1-1, R-S BK x BK

2830

✓

2831

✓

2832

2833	W ✓ B4044A3-1-1-1 ✓ collected ✓ meet ✓ uniform R to com 11/18/46 V. green vegetation excellent TP type. Rather hard to thresh	P-SBR x BR	2092
2834			✓
2835	W ✓ B4044A3-1-1-2 ✓ very green ✓ vegetation no C.O. on 11/18/46 Too tall		2093
2836	✓ long-grain type		✓
2837	W ✓ B4044A3-1-1-3 ✓ quite rich ✓ threshed ✓ some seeds		2094
2838			✓
2839	B4033A3-1-1-4,		2095
2840	Blue Rose, chuck		79

all are prob W material

95. B4044A3-1-1-4, R-SBR x BR 2841

✓

2842

✓

2843

✓

2844

✓

2845

97 B4044A3-1-1-6
 20 new
 ready on same side
 ✓ no 11/18/46
 Hr

2846

2847

98 B4045B45-1, R-S BR x BR4/ 2848
 8/20

2849 B4045B45-2, R-SBRxBR41

542

2850 8/26 ✓

2851 8/27 ✓

2852 8/27 ✓

2853 8/26 ✓

2854

BR/ a heavy stiff strawed, rough hulled
short strawed, grain type
Jap BR or within

2855

2856 B412A5-42, (8323xK-7143)

2023

25	B412A5-52-1	8323xK-7143	2857
	✓ -2		2858
	✓ -3		2859
9	Blue Rose check		2860
25	B412A5-52-4	"	2861
02	B44-2402-1 BR L2 (dm)		2862
	✓ -2		2863
	✓ -3		2864

2865 B44-2402-4 Sm BK del

2402

2866 -5

2867 -6

2868 -7

2869 -8

2870 -9

2871 -10

2872 -11

024 B44-2402-12 In. Bk del 2873

-13

2874

-14

2875

-15

2876

-16

2877

-17

2878

-18

2879

Bk ck

2880

2881

B44-2402-13, Sm BK del

2402

2882

-20

2883

-21

2884

-22

2885

-23

2886

-24

2887

-25

2888

-26

402 B 44-2402-27 *Am Bk del* 2889

-28

2890

-29

2891

-30

2892

-31

2893

-32

2894

-33

2895

*no Co on 11/18/46
v green stamp &
v old stamp
Admission*

*Erkkoord
on 11/11*

Dr

-34

2896

2897 B44-2402-35, Sm Bk. sel 2402

2898 -36

2899 -37
V. still open
shant

2900 Blue Rose, check 79
Bk. Bk.

2901 B44-2402-38, Sm Bk. sel

2902 -39

2903 -40

2904 -41

402 ✓ B 44-2402-42, Sm BK sel 2905

-43

2906

✓ -44

2907

CI 5358

2908

CI 5358

2909

CI 5368

2910

CI 5368

2911

69 Calady 40 sel
Co. R
8/23

2912

2913	Arkness sel	73
2914	Arkness sel	73
2915	Kamree-34 sel	74
2916	B4117A39-1, (BR41-8323) x 8324	230
2917	B401A70, BR41 x 8323	228
2918	✓	228
2919	B3710A1-3, K-N x BR	242
2920	Blue Rose chuck 1st CR	79

28 Blue Race 41 sel. 2321

78 ✓ 2322

70 Asahi sel 2323

Asahi sel
 Stiff shamed smooth hull sel (Bran) 2324
 few cells looks like smooth hull
 a mistake not a crown
 9 B4017A21, Arkansas B44 2325

9 ✓ 2326

9 ✓ 2327

9 ✓ 2328

2929	B4017 A21, Artemis x BR41	89
------	---------------------------	----

2930	B3712 A1-21-3-3, K-H, BR	98
------	--------------------------	----

2931	✓	
------	---	--

2932	✓	
------	---	--

2933	✓	
------	---	--

2934	✓	
------	---	--

2935	✓	
------	---	--

2936	✓	
------	---	--

8 B3712 A1-21-3-3, K-H x BR 2937

✓

2938

✓

2939

9 Blue Rose, Chuck 2940

B3712 A1-21-3-3, K-H x BR 2941

✓

2942

✓

2943

✓

2944

2945	✓	B3712A1-21-2-3,	K-A, BR	98
2946	✓			
2947	✓			
2948	✓			
2949		B401A72, BR41 x 8323		94
2950	✓			
2951	✓			
2952	✓			

94 B 401A72, BP41x8323 2353

✓ ✓ 2354

063 B3810A17-1-1, S-EPX CA-Cdy 8/27 2355

067 ✓ 2356

067 ✓ 2357

068 8/28 ✓ 2358

075 8/28 ✓ 2359

9 Blue Rose, chuck 2360

2961	B3810A17-1-1, S-EPK CA-Cdy	2079
------	----------------------------	------

2962	B43-2792, Am BPR del	5505
------	----------------------	------

2963	✓	✓
------	---	---

2964	✓	5507
------	---	------

2965	✓	✓
------	---	---

2966	✓	✓
------	---	---

2967	✓	5509
------	---	------

2968	✓	✓
------	---	---

509	B43-2792, <i>Sm Bk sel</i> <i>Short throat</i>	2969 <u>Hr</u>
509	✓	2970
516	✓	2971
	✓	2972
	✓	2973
517	✓	2974
✓	✓	2975
	✓	2976

2937	B43-2792, Sm Bk sel	5524
------	---------------------	------

2938	✓	✓
------	---	---

2939	✓	✓
------	---	---

2980	Blue Res, Chuck	79
------	-----------------	----

2981	B43-2792, Sm Bk sel	5525
------	---------------------	------

2982	✓	✓
------	---	---

2983	✓	✓
------	---	---

2984	✓	✓
------	---	---

525	B43-2792, Sm BK sel	2985
-----	---------------------	------

526	✓	2986
-----	---	------

✓	✓	2987
---	---	------

✓	✓	2988
---	---	------

✓	✓	2989
---	---	------

531	✓	2990
-----	---	------

✓	✓	2991
---	---	------

✓	✓	2992
---	---	------

B43-2792, Sm BK sil

2993

5532

2994

W.C.

✓
Very good
possibly botell
✓

✓

2995

✓

2996

✓

5539

2997

✓

✓

2998

✓

✓

2999

✓

5543

3000

Blue Row, chick
or - R

79

542	B43-2792	Sm Bk sub	3001
✓	✓		3002
✓	✓		3003
545	✓		3004
✓	✓		3005
546	✓		3006
✓	✓		3007
✓	✓		3008

- | | | |
|------|---|------|
| 3009 | B42-2792, Sm BK sel | 5546 |
| 3010 | ✓ | 5547 |
| 3011 | ✓ | ✓ |
| 3012 | ✓ | ✓ |
| 3013 | ✓ | 5548 |
| 3014 | ✓
Seg R+S to phys leaf Br of leaves | 5549 |
| 3015 | ✓
Seg R+S to phys leaf Br of leaves
8/20 | ✓ |
| 3016 | 8/28
✓
Seg R+S to phys. leaf Br of leaves | ✓ |

549 B43-2792, Sm BK sel
 seg R+S to play Browning of leaves
 8/28 3017

✓
 S to play Browning of ^{leaves} (Seg R+S) 3018

to here ✓
 550 3019

Blue Rose, check 3020

50 B43-2792, Sm BK sel 3021

✓ 3022

✓ 3023

✓ 3024

B42-2792, Sm BK del

3025

5550

3026

5552

3027

✓

3028

5556

3029

✓

3030

✓

3031

✓

3032

✓

556

B43-2792, Sm Bk. sel

3033

✓

3034

557

✓

3035

✓

3036

✓

3037

✓

3038

✓

3039

Smoothshell, check
Smoothshell R

3040

3041

B43-2792, Sm BR Sel

5559

3042

✓

✓

3043

✓

5566

3044

✓

✓

3045

✓

✓

3046

B3710A 1-20-2-2, K-H x BR

5567

~~W770~~
~~10/10~~

good med-gr
smooth
shutters ✓
no CO
on 11/18/46

3047

✓

✓

3048

✓

✓

567

B3710A1-20-2-2, K-H BR

3049

✓

3050

✓

3051

✓

3052

✓

3053

✓

3054

✓

3055

✓

3056

3057 B3710A1-20-2-2, K-N x BR

556

3058 ✓

✓

3059 B43-2792, Sm BR sel

556

3060 Blue Rose, check
BR SC

79

3061 B43-2792, Sm Bk sel

556

3062 ✓

✓

3063 ✓

✓

3064 ✓

✓

69	B376A2-72-4, IBR-F xS	3065
	✓	3066
	✓	3067
71	B43-2089, BR se	3068
72	✓	3069
73	✓	3070
	✓	3071
74	✓	3072

3073	B43-2089,	BRice	5580
------	-----------	-------	------

3074	✓		✓
------	---	--	---

3075	✓		✓
------	---	--	---

3076	✓		5581
------	---	--	------

3077	✓		✓
------	---	--	---

3078	✓		5582
------	---	--	------

3079	✓		✓
------	---	--	---

3080	Blue Rne, Chuck		79
------	-----------------	--	----

582	B43-2089	BR SL			3081
583		✓			3082
✓		✓			3083
✓		✓			3084
2	B4112A5-5	X	P323		3085
7A1-1					
-2					3086
-3					3087
-4					3088

3089

437A1-5 B4112A5-5x 8323

F2
437A

3090

-6

3091

-7

3092

-8

3093

-9

3094

-10

3095

-11

3096

-12

2
37A) B437A1-13 (B4112A5-5x8323) 3097

-14

3098

-15

3099

CE-8323, check
8/28

3100

B437A1-16,

3101

-17

"

3102

-18

3103

-19

3104

3105 B427A1-20, B4112A5-5x8323 F2
427A

3106 -21

3107 -22

3108 -23

3109 -24

3110 -25

3111 -26

3112 -27

52 37A1	B43741-28	B411245-SV8323	3113
	-29		3114
	-30		3115
	-31		3116
	-32		3117
	-33		3118
	-34		3119
	Zenith, check Zenith CR		3120

3121

B437A1-35

B4112AS-5 x8323.

F2
437A

3122

-36

3123

-37

3124

-38

3125

-39

3126

-40

3127

-41

3128

-42

2
7A1 B427A1-43, B4112A5-SX 8323 3129

-44 3130

-45 3131

-46 3132

-47 3133

-48 3134

-49 3135

-50 3136

3137

B437A1-51, B4112A5-Sx8323

F2
437A1

3138

-52

✓

3139

B438A1-1, B4112A5-Sx8326

F2
438A

3140

CI-8326, check
8

77

3141

B438A1-2,

"

3142

-3

3143

-4

3144

-5,

-2 38A1	B438A1-6,	B4112AS-5x	8326	3145
	-7			3146
	-8			3147
	-9			3148
	-10			3149
	-11			3150
	-12			3151
	-13			3152

3153

B438A1-14

B4N2A5-5x8326

F2
438A

3154

-15

standing
V well
some smooth

3155

-16

3156

-17

3157

-18

3158

-19

3159

-20

3160

Blue Rose check

79

2 38A1	B438A1-21,	B4112A5-Sx8326	3161
	-22		3162
	-23		3163
	-24		3164
	-25		3165
	-26		3166
	-27		3167
	-28		3168

3169

B438A1-29, B4112A5-5x8326

F-2
438A1

3170

-30

3171

-31

3172

-32

3173

-33

3174

-34

3175

-35

3176

-36

2 B 438A1-37, B4112A5-5x P326 3177
38A1

-38 3178

-39 3179

3 Smoothhall, chuck 3180

B438A1-40, 3181

-41 3182

-42 3183

-43 3184

V. J. [unclear]

Mr. Sub

3185	B438A1-44,	B4112A5-Sx	8326	F2 438A
------	------------	------------	------	------------

3186	-45,			
------	------	--	--	--

3187	-46			
------	-----	--	--	--

3188	-47			
------	-----	--	--	--

3189	-48			
------	-----	--	--	--

3190	-49			
------	-----	--	--	--

3191	-50			
------	-----	--	--	--

3192	-51			
------	-----	--	--	--

2
38A1 B 438A1-52, B4112AS-5 x 8326 3193

-53

3194

-54

3195

-55

3196

-56

3197

-57

3198

-58

3199

7 CI-8326 chuck 3200

3201	B438A1-59, B4112A5-SY 8326	F2 438A
------	----------------------------	------------

3202	-60	
------	-----	--

3203	-61	
------	-----	--

3204	-62	
------	-----	--

3205	-63	
------	-----	--

3206	-64	
------	-----	--

3207	-65	
------	-----	--

3208	-66	
------	-----	--

2- 8A1	B438A1-67, B4112A5-S x 8326	nt T 3209
	-68	3210
	-69	3211
	-70	+ 3212
	-71	+ 3213
	-72	3214
	-73	3215
	-74	3216

3217	B438A1-75,	B41/2A5-S	WT x8326	F2 438A
3218	-76			
3219	-77			
3220	B41-3282-1,	check	+	Dish V
3221	B438A1-78,		+	
3222	-79			
3223	-80			
3224	-81			

B438A1-82,	B4112A5-SV8326	3225
-83	1P-	3226
-84	EP-	3227
-85		3228
-86		3229
-87		3230
-88		3231
-89		3232

3233	B438A1-90,	B4112AS-5x	8326	F2 438A,
------	------------	------------	------	-------------

3234	-91			
------	-----	--	--	--

3235	-92			
------	-----	--	--	--

3236	-93			
------	-----	--	--	--

3237	-94			
------	-----	--	--	--

3238	-95			
------	-----	--	--	--

3239	-96			
------	-----	--	--	--

3240	Blue Rose 41,	check		78
------	---------------	-------	--	----

2
38A) B438A1-97, B4N2A5-5 x8326
3241

-98

3242

-99

3243

-100

3244

-101

3245

-102

3246

-103

3247

-104

3248

3249

B438A-H05,

B4112AS-5 x8326

F2
438A1

3250

-106

3251

-107

3252

-108

3253

-109

3254

-110

3255

-111

3256

-112

2 2A1	B438A1-113, B412A5-SYB326	3257
	-114	3258
	-115	3259
7	CI-8326, Check	3260
	B438A1-116	3261
	-117	3262
	-118	3263
	-119	3264

3265 B438A1-120, B412A5-S x 8326 F2
438A1

3266 -121

3267 -122

3268 -123

3269 -124

3270 -125

3271 -126

3272 -127

2
8A) B438A1-128, B4112-45-8 x 8326 3273

-129 3274

-130 3275

-131 3276

-132 3277

Mr

-133 3278

-134 3279

3 Smoothness, check 3280

3281

B438A1-135, B4112AS-5x82²⁶
NT
+ F2
438A1

3282

-136

3283

-137

3284

-138

3285

-139

3286

-140

3287

-141

3288

-142

PA)	B438A1-143 (B4112A5-8 x 8326)	3289
	+ ^{WAT}	
	-144	3290
	-145	3291
	-146	3292
	-147	3293
- PA)	B439A1-1 B4112A5-8 x B3715A36-6	3294
similar to 3298 Holly asmt 2		3295
	-3	3296

3297	B429A1-4(B4112A5-8x	B3715A36-6)	WT F2 429A
3298	⁻⁵ all smooth, short stem, open panicle, very good for storing,	+	
3299	⁻⁶		
3300	B3715A36-6, (SP-SJxSBR)xSBR	101	
3301	B429A1-7,		
3302	⁻⁸	+	
3303	⁻⁹	+	
3304	⁻¹⁰		

2
39A) B439A1-11, (B4112A5-8 x B271SA36-6)

3305

-13

3306

-14

3307

-15

3308

-16

3309

-17

3310

-18

3311

-19

3312

3313

B439A1-20, (B4112A5-82 B371SA26) F2
439A1

3314

-21

3315

-22

++

3316

-23

3317

-24

3318

-25

3319

-26

+

3320

B41-3282-1, check

2
39A)

B429A1-27, (B411245-8 x B6715A36-6)

3321

-28

3322

-29

3323

-30

3324

-31

3325

-32

3326

-33

3327

-34

3328

33329	B439A1-35, (B4112A5-8XB3715A366)	WT +	F2 439A
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33330	-36		
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33331	-37		
-------	-----	--	--

33332	-38		
-------	-----	--	--

33333	-39		
-------	-----	--	--

33334	-40		
-------	-----	--	--

33335	-41		
-------	-----	--	--

33336	-42		
-------	-----	--	--

✓	B459A1-43, (B412A5-81 B3715A36-6)	WT	3337
39A)			
	-44	+	3338
	-45		3339
9	Blue Rose, check	+	3340
	-46		3341
	-47		3342
	-48		3343
	-49		3344

3345

B439A1-50, (B4112A5-8x B3715A35-6
439A1

3346

B4310A1-1
B4112A5-8x BR41-1EP

F2
4310A

3347

-2

3348

-3

3349

-4

3350

-5

3351

-6

3352

-7

5	B4310A1-8,								
10A	B4112AS-8	x	BR41-EP						3353

	-9								3354
--	----	--	--	--	--	--	--	--	------

	-10								3355
--	-----	--	--	--	--	--	--	--	------

	-11								3356
--	-----	--	--	--	--	--	--	--	------

	-12								3357
--	-----	--	--	--	--	--	--	--	------

	-13								3358
--	-----	--	--	--	--	--	--	--	------

	-14								3359
--	-----	--	--	--	--	--	--	--	------

8	Blue Racer 41,	click							3360
---	----------------	-------	--	--	--	--	--	--	------

3361

B4310A1-15, B4112A5-8 x BR41-EP

F2
4310A

3362

-16

3363

-17

3364

8/28 -18

3365

-19

3366

-20

3367

-21

3368

-22

2 B 431DA1-23, B4112A5-8x BR 41-EP 3369
310A

-24

3370

-25

3371

-26

3372

-27

3373

-28

3374

-29

3375

-30

3376

3377

B4310A1-31, (B4N2A5-81 BPH-EP) F2
4310A

3378

-32

3379

-33

3380

Smooth hull, check

83

3381

-34

3382

-35

3383

-36

3384

-37

2
10A B4310A1-38, (B4N2AS8X BK41-EP) 3385

-39 3386

-40 3387

-41 3388

-42 3389

-43 3390

-44 3391

-45 3392

3393

B4310A1-46, (B4112A5-8 x BP41-EP) F2
4310A

3394

B4311A1-1, (B4112A5-8 x 8325-2) F2
4311A

3395

- 2

3396

8/26 - 2

3397

- 4

3398

- 5

3399

- 6

3400

B41-3282-1, check

2 1/A1	B 431/A1-7, (B4112A5-8x 8323-2)	2nd T	3401
8/20	-8		3402
	-9		3403
	-10	+	++ 3404
	-11		3405
	-12		3406
8/23	-13		3407
8/18	-14		3408

3409

B4311A1-15, (B4112A5-8 x 8323-Z) F2
8/12 4311A

3410

8/20 -16

✓

3411

B4311A2-1,

"

F2
4311A

3412

-2

3413

8/15 -3

3414

-4

3415

-5

3416

8/16 -6

112	B43 NA2-7, (B4112 A5-8 x 8323-2)	8/22	3417
	-8		3418
8/15	-9		3419
zenith, ck. 8/29			3420
	-10		3421
8/24	-11		3422
8/24	-12		3423
8/24	-13		3424

3425

B4311A2-14, B4112A5-8x8323-2) F2
4311A2 ✓

3426 8/15

-15

3427 8/20

-16

3428 8/16

-17

3429 8/25

-18

3430 8/20

-19

3431

8/15 -20

3432

B4311A3-1,
8/15

" F2
4311A3

F2 B4311A3-2, (B4112A5-8 x 8323-B)
 4311A3 8/22 3433

-3

3434

-4

3435

-5

8/15

3436

-6

8/28

3437

-7

8/24

3438

-8

8/26

3439

77

CI-8326

3440

3441

B4311A3-9, (B4112A5-8 x 8323-Z)

F2
4311A

8/24

3442

8/28

-10

3443

8/20

-11

3444

-12

3445

8/27

-13

3446

-14

3447

8/24

-15

3448

8/28

-16

1A3

B4311A3-17, (B4112A5-8 x B323-7)

3449

-18

3450

-19

3451

-20

3452

-21

3453

-22

3454

-23

3455

-24

3456

3457

B4311A3-25, (B412A5-8 + 8323-Z) F2
4311A

3458

-26

3459

-27

3460

Blue Rose 41, chuck

78

3461

-28

3462

-29

3463

-30

3464

-31

11A3	P4311A3-32, (P4112A5-8x8323-Z)	3465
	-33	3466
	-34	3467
	-35	3468
	-36	3469
	-37	3470
	-38	3471
	-39	3472

3473

B4311A3-40, (B4112A5-8 x 8323-2)

F2
4311A

3474

-41

✓

3475

-42

✓

3476

B4312A2-1, (B4112A5-8 x B3715A6-5-4)

F2
4312A

3477

-2

3478

-3

3479

-4

3480

B3715A6-5-4, check.

100

~ B4312A2-5, (B4112A5-8 & B3715A6-5-4)
312A2 3481

-6

3482

-7

3483

-8

3484

-9

3485

-10

3486

-11

3487

-12

3488

3488	B43/2A2-13, (B4112A5-8 x B371SA6	NT	43/2A
3490	-14		
3491	-15		
3492	-16		
3493	-17		
3494	-18		
3495	-19		
3496	-20	x	

2	B4312A2-21, (B4112A5-8x83715A6-S-4)	WT	3497
812A			3497
	-22		3498
	-23	+	3499
	Blue Rce, chuck	+	3500
	-24	+	3501
	-25		3502
	-26		3503
	-27		3504

3505	B4312A2-28	B4112AS-8x	B3715A15	NT	4312A
3506	-29				
3507	-30				
3508	-31			+	
3509	-32			+	
3510	-33				
3511	-34			++	
3512	-35				

²
 312A ~~B4312A2-36, (B4112AS-8 x B3715A6-5-4)~~ 3513

-37 3514

-38 3515

-39 3516

-40 3517

-41 3518

-42 3519

³ Smoothkull, chick. 3520

3521

B43/2A2-43 (B41/2A5-8 x B371SA6-5) 43/21

3522

-44

3523

-45

3524

-46

3525

-47

3526

-48

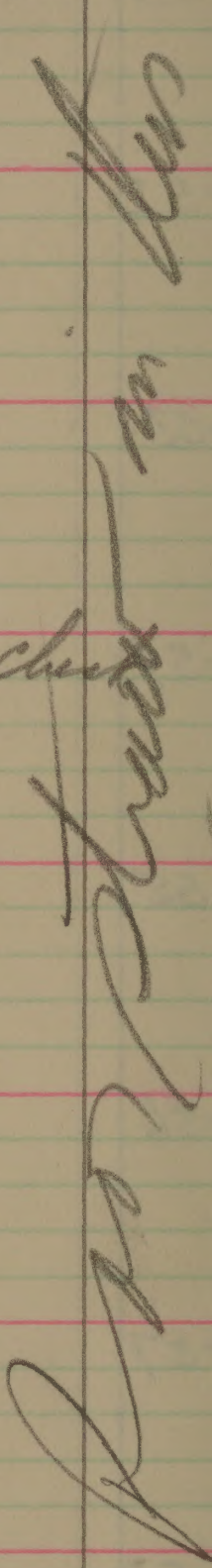
3527

-49

3528

-50

2 312	wt	B4312A2-51 (B4112A58 x B3715A6-5-4)	3529
		-52	3530
		-53	3531
		-54	3532
		-55	++ 3533
		-56	3534
		-57	++ 3535
		-58	3536

3537	B43/2A2-59, (B41/2A5-8x832/SA6-5-4)	wtT	+	F2 43/2A
3538	-60		+	
3539	-61		+	
3540	CT-8326, check		++	77
3541	-62			
3542	-63		+	
3543	-64		++	
3544	-65		++	

2 312A2	B4312A2-66, (B4112A58x B3715A6-5-4)	2nd T	3545
	-67		3546
	-68	+	3547
2 312A2	B4313A2-1, (B4112A58x F-Red)		3548
	-2	+	3549
	-3	+	3550
	-4	++	3551
	-5	++	3552

3553

P43/3A2-6, (B4112A5-8 x F-Red)

++

F2
43/3A7

3554

-7

+

3555

-8

3556

-9

3557

-10

3558

-11

3559

-12

3560

Fortuna x Red, chick (B406)

235

2 B4313A2-13 (B4112A58X F. Rd)
B13A2 3561

-14

3562

-15

3563

-16

3564

-17

3565

-18

3566

-19

3567

-20

3568

B4313A2-21, (B4112A50x F-Red)

F-2
4313

3569

-22

3570

-23

3571

-24

3572

-25

3573

-26

3574

-27

3575

-28

3576

2
3/3A ✓ B4313A2-29 (B4412A58x F-Ril) 3577

-30

3578

-31

3579

B 41-3282-1, *check*

3580

-32

3581

-33

3582

-34

3583

-35

3584

3585

B4313A2-36, B4112A5-8 x F-Rd)

~~Mr. Peto~~

✓

3586

-37

3587

-38

3588

-39

3589

-40

3590

-41

3591

-42

3592

-43

B4313A2-44, B4112A5-8 x F-Red)

3593

- 45

3594

- 46

3595

- 47

3596

- 48

3597

- 49

3598

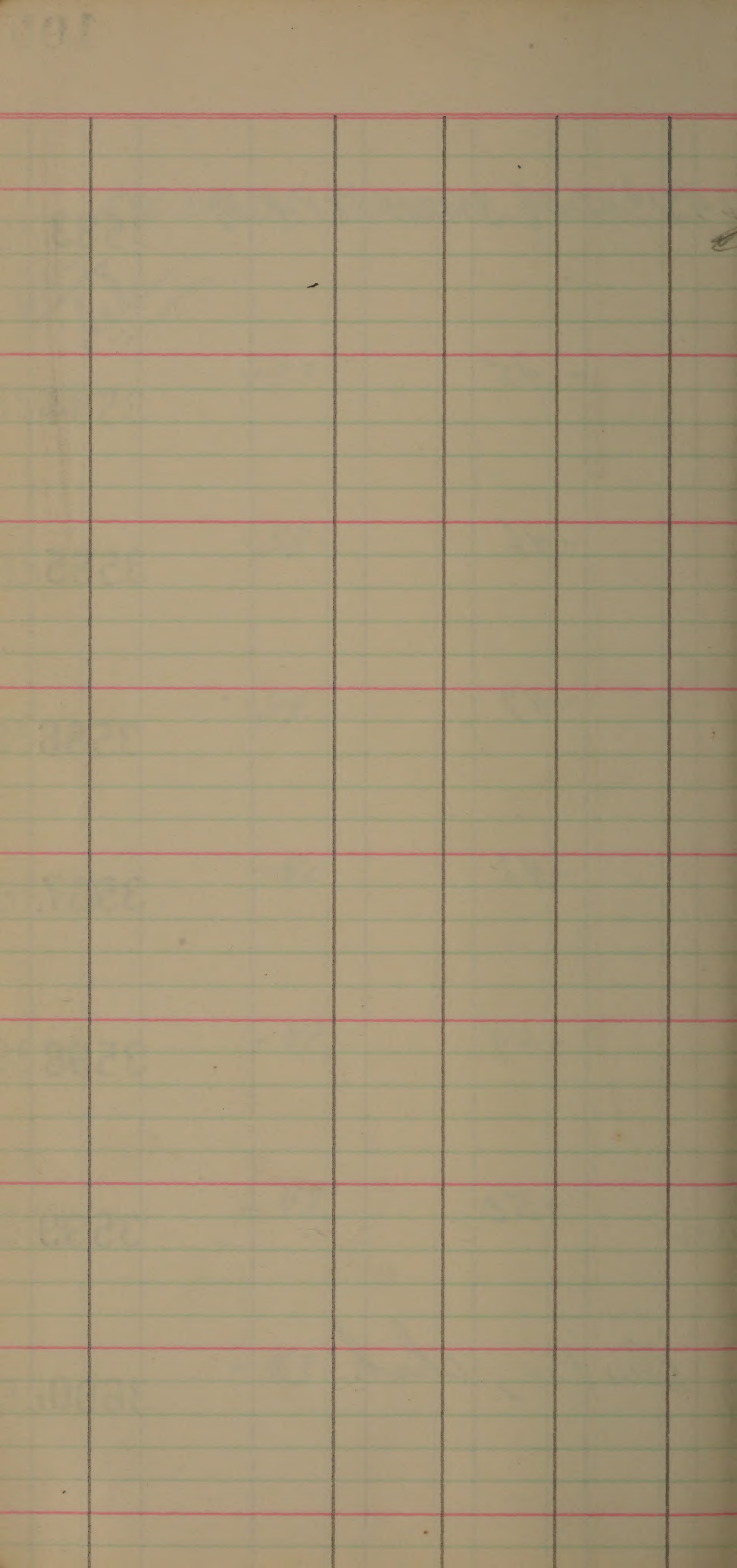
- 50

3599

3A2

Blue Raa, chuck

3600



24

Dr. after 11/23/46

2146

2141✓

2146✓

2152✓

2164✓

2175✓

2178✓

2185✓

2186✓

2275

2276

2317

2319

2321

2341 to 48

2370

2382

2387

2732

2738

2755

2875

Old Morris

438A 3139-3293 Bulk
~~3294-3345 Bulk~~

4310A 3346-93 Bulk

4312A 3476-3547 Bulk

4313A 3548-3629 +
standing better than most any cross
except these

4321A 3832-3903

4323A = 3904-3975
v. green straw

4325A = 3976-4054
v. green straw

4356A 4094-4126

Ex Red crosses best for
green straw

1946

#

U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY

CEREAL CROPS AND DISEASES

AGRONOMIC NOTES

4407 - 4411

4413 to 4419

4421

4446 - 49

4487, also sels.

4593

4595

4598-99

4601-03

4617-18

4621-23

4630-36

4675

4698

4856

4893 }
94 }
95 }
96 }

4990

5012

5016

5029

5130

5139

5142-49

4905 greener straw than others

4931

4985

4987

← format for sure HMS. →

11/14/46

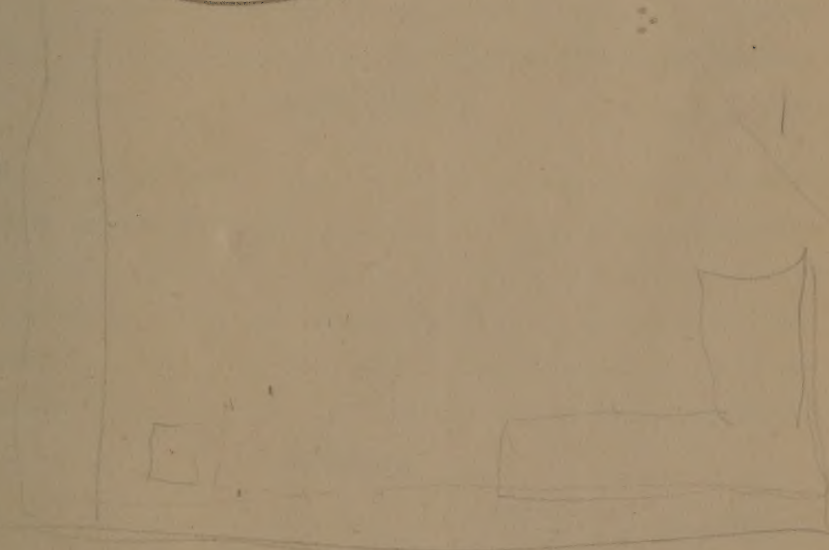
Completed except for
now to format HMS.

4486-4571 same sel for
Bulk hybrid plot.

completed

3691 rows
in all

4801



SAMPLE PAGE

VARIETAL TEST OF OATS, 1908

CONDITIONS OF EXPERIMENT

PLOT

Location-----Field H.
Size-----1/20 acre.

SOIL

Kind-----Prairie loam.
Position-----Somewhat rolling.
Previous crop-----Corn.

NAME AND CONDITION OF MACHINERY

Plow-----
Disk-----Osborn-----Sharp.
Harrow-----U Bar-----Good.
Seeder-----Monitor-----Good.

SEED

Variety-----Variable.
Weight per bushel-----Variable.
Source-----Variable.
Treatment-----Fanned clean and treated for smut.

SEED BED

Preparation:

1. Disked (lapped half)-----4-6-'08.
2. Disked (lapped half)-----4-10-'08.
3. Harrowed-----4-10-'08.
4. Harrowed-----4-27-'08.
5. Seeded-----4-27-'08.
6. Harrowed-----4-27-'08.

SEEDING

Manner-----Drilled.
Date-----4-27-'08.
Rate-----3 bushels per acre by weight.

TEST OF

, 19

CONDITIONS OF EXPERIMENT

PLOT

Location

Size

SOIL

Kind

Position

Previous crop

NAME AND CONDITION OF MACHINERY

Plow

Disk

Harrow

Seeder

SEED

Variety

Weight per bushel

Source

Treatment

SEED BED

Preparation :

1.

2.

3.

4.

5.

6.

SEEDING

Manner

Date

Rate

TEST OF _____, 19____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation :

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date_____

Rate_____

TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation :

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date _____

Rate_____

TEST OF _____, 19____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation :

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date _____

Rate_____

TEST OF _____, 19____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation :

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date_____

Rate_____

TEST OF _____, 19____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation :

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date _____

Rate_____

TEST OF _____, 19____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation :

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date _____

Rate_____

TEST OF _____, 19____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation :

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date _____

Rate_____

3601

B43/3A2-51, (B4412A5-2x F-RL)

mt

F2

43/3A

3602

-52

3603

-53

3604

-54

3605

-55

3606

-56

3607

-57

3608

-58

Very green
No trace
Ph an

F2 B4313A2-59 (B4112A5-8 x F-Red) ^{mtT}
+ 313A2 ✓ 3609

-60

3610

-61

3611

-62

3612

-63

3613

-64

3614

-65

3615

-66

+

3616

3617	B4313A2-67, (B4112A5-8x F-Red)	not +	F2 4313A2
3618	-68		
3619	-69		
3620	CI- 8326, Check	+	77
3621	-70	+	
3622	-71		
3623	-72		
3624	-73		

F2 B4313A2-74 (B4112A5-8 x F-Red)
 313A2 3625

-75 3626

-76 3627

-77 3628

✓ -78 3629

F2 B4314A2-1, (B4112A5-8 x Drum fel)
 314A2 3630

-2 3631

-3 3632

B4314A2-4, (B4112A5-8 x Drum. Sel)

F2

4314A

3633

-5

3634

-6

3635

-7

3636

-8

3637

-9

3638

-10

3639

3640 Smoothshell Drum Sel, Check 83

F2 B4314A2-11, (B4112A5-8 x Drum Sel)
314A2 3641

-12 3642

-13 3643

-14 3644

-15 3645

-16 3646

-17 3647

-18 3648

3649

B4314A2-19, (B412A5-8 x Drum Sel)

Fv
4314A

3650

-20

3651

-21

3652

-22

3653

-23

3654

-24

3655

-25

3656

-26

F2 1314A2	B4314A2-27	(B4112A5-8 x Drum)	not T	3657
	-28			3658
	-29			3659
	B4153282-1	chuck	++	3660
	-30			3661
	-31			3662
	-32			3663
	-33			3664

3665	B43/4A2-34, (B4112A5-8 x Brumel) F2 not +	43/4A2
------	---	--------

3666	-35	+
------	-----	---

3667	-36	+
------	-----	---

3668	-37	+
------	-----	---

3669	-38	+
------	-----	---

3670	-39	
------	-----	--

3671	-40	+
------	-----	---

3672	-41	
------	-----	--

E2 B4314A2-42, (B4112A58 x Brum sel)	2nd J	3673
--------------------------------------	-------	------

E2 B4314A5-1	"	3674
--------------	---	------

-2		3675
----	--	------

-3		3676
----	--	------

-4		3677
----	--	------

-5		3678
----	--	------

-6		3679
----	--	------

79 Blue Rose, Chuck	+	3680
---------------------	---	------

724T.
B4314A5-7 (B4112A5-8 x Burned) F2
4314A

3681

-8

3682

+

-9

3683

-10

3684

-11

3685

-12

3686

-13

3687

-14

3688

F2 84314A5	84314A5-15, (B4112A5-8 x Drum Set)	3689
	-16	3690
	-17	3691
	-18	3692
	-19	3693
	-20	3694
	-21	3695
	-22	3696

3697 *B4314A5-23, (B412A5-8x Drum Sol) F2*
4314A

3698 *-24*

3699 *-25*

3700 *CF-8326, Check* 77

3701 *-26*

3702 *-27*

3703 *-28*

3704 *-29*

F2 3/4A5	B4214A5-30	(B4112A5-8 x Drum del)	3705
	-31		3706
	-32		3707
	-33		3708
	-34		3709
	-35		3710
	-36		3711
	-37		3712

3713

B4314A5-38, (B4112A5-8 x Brumsted)

not

F2
4314A5

3714

-39

3715

-40

3716

-41

3717

-42

+

3718

-43

3719

-44

3720

Blue Rose 41, Chuck

7.8

2 B431HA5-45, (B412A5-2 x Drum del)
314A5 3721

-46

3722

-47

3723

-48

3724

-49

3725

-50

3726

-51

3727

-52

3728

3729 B4314A5-53, (B4112A5-8 x Brum sel) F2
4314A

3730 -54

3731 -55

3732 -56

3733 -57

3734 -58

3735 -59

3736 -60

152 B4514A5-61, (B4112A5-8 x Bruin sel)
 1314A5 3737

-62

3738

-63

3739

23 Smoothie (Bruin sel)
 Check

3740

-64

3741

-65

3742

-66

3743

-67

3744

3745	B43/4A5-68 (B4112A5-8 x Drumel) hydrogen color.	nd J	F2 4314A
------	--	------	-------------

3746	B43/5A2-1 B3715A36-6 x CI8326)	++	F2 4315A
------	-----------------------------------	----	-------------

3747	-2		
------	----	--	--

3748	-3	++	
------	----	----	--

3749	-4	++	
------	----	----	--

3750	-5		
------	----	--	--

3751	-6	++	
------	----	----	--

3752	-7	++	
------	----	----	--

				mt	
F ₂	B4315A2-8				
4315A2	B3715A36-6	x	CD-8326		3753
				+J	

-9

3754

-10

++

3755

-11

+

3756

-12

+

3757

-13

+

3758

-14

3759

01	B2715A36-6, Chuck			+	3760
----	-------------------	--	--	---	------

3761	B4315A2-15 (B3715A36-6x 8326)	77	F2 4315A
3762	-16	++	
3763	-17	+	
3764	-18	++	
3765	-19		
3766	-20		
3767	-21	+	
3768	-22	++	

F2 84315A2-23, 83725A56-6x 8.326)
 4315A2 WT
 + 3769

-24

+ 3770

-25

3771

-26

+ 3772

-27

3773

-28

+ 3774

-29

+ 3775

-30

+ 3776

3777	B4315A2-31, (B3715A36-6 x 8326)	mtJ +	F2 4315A
3778	-32	+	
3779	-33	+	
3780	CT-8326, check		77
3781	-34		
3782	-35		
3783	-36	+	
3784	-37	+	

$\frac{B4215A2-38}{B3715A36-6 \times 8326}$ WTT
 315A2 3785

-39

3786

-40

+ 3787

-41

+ 3788

-42

3789

-43

3790

-44

+ 3791

-45

++ 3792

3793	B4315A2-46, (B3715A36-6x 8326)	2nd	F2 4315A
3794	-47		
3795	-48		
3796	-49	++	
3797	-50	+	
3798	-51	++	
3799	-52	+	
3800	Smooth hull (Buen hel) check		83

F2 B4315A2-53, (P3215A36-6 x 8326)
1315A2 3801

-54

3802

-55

3803

-56

3804

-57

3805

-58

3806

-59

3807

-60

3808

B4315A2-61, (B3715A36-6 x 8326) F2
43151

3809

-62

3810

-63

3811

-64

3812

-65

3813

-66

3814

-67

3815

-68

3816

F2 B4315A2-69, (B3715A36-6x 8326)
315A2 3817

- 70

3818

- 71

3819

01 B3715A36-6, Check 3820

- 72

3821

- 73

3822

- 74

3823

- 75

3824

B4315A2-76 (B3715A36-6 x 8326) F2
4315A

3825

-77

3826

-78

3827

-79

3828

-80

3829

-81

3830

-82

3831

F2
4315A2

B4321A3-1, B441X F-Red

3832

F2
4321A

F2 B4321A3-2, BR41 x F-Rd
B21A3

3833

-3

3834

-4

3835

-5

3836

-6

3837

-7

3838

-8

3839

8 BR41 ck

3840

Fr ✓ B432/A3-9, BR41 x F-Rd Fr
3841 432/A3

3842

-10

3843

-11

3844

-12 ✓

3845

-13

3846

-14

3847

-15

3848

-16

F2 B4321A3-17
132/A3

3849

-18

3850

-19

3851

-20

3852

-21

3853

-22

3854

-23

3855

-24

3856

^{not}
B432/A3-25, BR41 x F-Red

F2
432/A3

3857

-26

3858

-27

3859

3860 Fx Red ck

235

-28

3861

-29

3862

-30

3863

-31

3864

+

B4321A3-32

321A3

not

+

3865

-33

3866

-34

3867

-35

3868

-36

3869

-37

3870

-38

3871

-39

3872

B432/A3-40, BP41X F-Red

not

F2

432/A3

3873

-41

3874

-42

3875

-43

3876

-44

3877

-45

3878

-46

3879

3880 CF-8326-1, ck

+

77

F₂ B4321A3-47
321AB

3881

-48

3882

-49

3883

-50

3884

-51

3885

-52

3886

-53

3887

-54

3888

3889

B432/A3-55, BRH x F-Red

Fr
432/A3

3890

-56

3891

-57

+

3892

-58

3893

-59

3894

-60

3895

-61

3896

-62

2
32/A3 B4321A3-63, BR41 x F-Red 3897

-64 3898

-65 3899

new (good)
-66 3900

-67 3901

2
32/A3 -68 3902

24 B4323 B1-1, 8326 x F-Red
CI 8326 x F-Red 3903

-2 3904

B4323B1- 3, 8326 x F-Red

not

Fr

4323B

3905

-4

3906

-5

3907

+

-6

3908

-7

3909

-8

3910

+

-9

3911

+

-10

3912

+

E_2 8452381-11, 8326 x F-^{2nd}Rel
 32381 + 3913

-12

+ 3914

-13

+ 3915

-14

+ 3916

-15

+ 3917

-16

+ 3918

-17

+ 3919

7 CI-8326, ck

+ 3920

B4323B1-18, CI8326 x F-Red

not

+

F2

4323B

3921

-19

3922

-20

3923

-21

3924

-22

3925

-23

3926

-24

3927

x

-25

3928

x

F₂ B4223B1-26, 8326x F-Rd

2381

3929

-27

3930

-28

3931

-29

3932

-30

3933

-31

3934

-32

3935

-33

3936

F2	B4323B1-34,	8326 x	F-Red	F2
3937				4323B1

3938	-35		+
------	-----	--	---

3939	-56		
------	-----	--	--

3940 BP ck	-		+	79
------------	---	--	---	----

3941	-37		
------	-----	--	--

3942	-38		+
------	-----	--	---

3943	-39		
------	-----	--	--

3944	-40		+
------	-----	--	---

Fr B4325B1-41	8326 x F-Red	3945
---------------	--------------	------

-42

+ 3946

-43

3947

-44

3948

-45

3949

-46

3950

-47

3951

-48

3952

B432381-49, 8326x F-Red

mt

F₂

432381

3953

-50

3954

-51

3955

+

-52

3956

-53

3957

+

-54

3958

-55

3959

+

-56

3960

+

235

					mt	
32381	B4323B1-57,	8326 x	F-18			3961

-58

3962

-59

3963

-60

3964

-61

3965

-62

3966

-63

+ 3967

-64

3968

3969	B432381-65, 8326 x F-Red	WAT	F2 432381
------	--------------------------	-----	--------------

3970	-66		+
------	-----	--	---

3971	-67		
------	-----	--	--

3972	-68		+
------	-----	--	---

3973	-69		
------	-----	--	--

3974	-70		
------	-----	--	--

3975	-71		F2 432381
------	-----	--	--------------

3976	B4325A1-1, Broom del x F-Red		F2 4325A1
------	------------------------------	--	--------------

Ev B4325A1-2 *Bruni del* x F - *Red*
 325A1 3977

- 3

3978

- 4

3979

3 *Bruni del*

3980

- 5

3981

- 6

3982

- 7

3983

- 8

3984

B4325A-9, Brun sil v F-Red Fr
4325A

3985

-10

3986

-11

3987

-12

3988

-13

3989

-14

3990

-15

3991

-16

3992

Fr B4325A1-17 ^{not} Brun x F-Rd
 4325A1 3993

-18

3994

-19

3995

-20

+

3996

-21

+

3997

-22

3998

-23

+

3999

7 8326, ch

4000

B4325A1-25, Brun x F-Red

Fr
4325A

4001

-26

4002

-27

4003

-28

4004

-29

4005

-30

4006

-31

4007

-32

4008

Sub

Brun x F-Red

Fr B4325A1-33, Bussell's F-Rod
325A1 4009

-34

4010

-35

4011

-36

4012

-37

4013

-38

4014

-39

4015

-40

4016

B4325A1-41, Bruner del v F-Red Fr

4017

4325A

-42

4018

-43

4019

~~del~~ ~~smith~~

4020 BR check

79

-45

4021

-46

4022

-47

4023

-48

4024

F2 B4325A1-49, Brown x F-Red
4325A1

4025

Sub
Smart

-50

4026

-51

4027

-52

4028

-53

4029

-54

4030

-55

4031

-56

4032

4033

B4325A1-57, Brum Sel x F-Red Fv
4325A1

4034

-58

4035

-59

4036

-60

4037

pls
longer
all at once
and

-61

4038

-62

4039

-63

4040

F x Red chuck

235

Fr B4325A1-64, ^{sel} Brum x F-Red
4325A1 4041

-65

4042

-66

4043

-67

4044

-68

4045

-69

4046

-70

4047

-71

4048

4049 B4325A1-72, Brown Lbl x F Red F2
4325A1

4050 -73

4051 -74

4052 -75

4053 -76

4054 -77 F2
4325A1

4055 F2 B4343A1-1, 8327 x Stride Hand F2
4343A1

4056 -2

Fr B4343A1-3, 8327 x Studebaker
343A 4057

-4

4058

-5

4059

8 BR-41, ck

4060

-6

4061

-7

4062

-8

4063

-9

4064

F2, B4343A1-10, 8327x Steel Head F2
4065 4343A

4066 -11

4067 -12

4068 -13

4069 -14

4070 -15

4071 -16

4072 -17

2 B4343A1-18, 8327x Studebaker
B43A1 4073

-19

4074

-20

4075

-21

4076

-22

4077

-23

4078

-24

4079

3 Broomfield, chuck 4080

4081 B4343A1-26, 8327x Stink/Hond F2
4343A

4082 -27

4083 -28

4084 -29

4085 -30

4086 -31

4087 -32

4088 -33

Fr B4343A1-34, 8327 x Steel Bond
43A1 4089

-35 4090

-36 4091

-37 4092

Fr B43A1
-38 4093

Fr B4356A1-1, 8326X 8323-2
356A1 4094

-2 4095

-3 4096

F2 B4356 A1-4 8326 x 8323-Z
4097

F2
4356A

4098 -5

4099 -6

4100 8326 -7 ck

77

4101 -7

4102 -8

4103 -9

4104 -10

2 B4356A1-11, 8326x 8323-Z

56A1

4105

-12

4106

-13

4107

-14

4108

-15

4109

-16

4110

-17

4111

-18

4112

B4356A1-19, 8326x 8323-Z

Fv

4356A

4113

-20

4114

-21

4115

-22

4116

-23

4117

-24

4118

-25

4119

*same appear
smooth*

-26

4120

3

2 B4356A1-27, 8326x8323-2 4121
56A1

-28 4122

-29 4123

-30 4124

-31 4125

2 -32 4126
56A1

Start of Mud Long material
26 B4031A1-1-66, 7PX R-SBR 4127
very late, stiff straw

do 4128

B403/A1-1-6-6, TPx R-SBR

4129

2126

~~W~~

4130

✓

4131

✓

4132

B403/A1-1-9,

19 and 17mm
18 in gold
20 in silver

2129

4133

✓

4134

✓

4135

✓

~~W~~

4136

✓

31

B403/A1-1-11, TPR-SRP

4137

✓
#156 in yield mus.
✓

4138

Hr

4139

1

Bluebonnet ck.

4140

✓

4141

✓

4142

B403/A1-3-2/,

32

4143

- 2,

33

4144

#1 in yield mus

B403/A1-3-2-2, TPR-R-SBR

4145 long gram type

2133

✓

4146

✓

B403/A1-3-3-1

4147

2135

✓

4148

✓

\$/in yield number

✓

4149

✓

✓

4150

✓

B403/A1-3-3-2

4151

2136

✓

4152

2136

39 B403/A1-6-2, TPxR-SRR 4153

✓ 4154

✓ 4155

11 B403/A1-8-3-1, " 4156

✓ 4157

12 B403/A1-8-3-2, " 4158

no CD

HR

45 B403/A1-16-2, " 4159

45 Mia ck Jolina ck 4160

4161

B403/A1-16-2

TP x R-SBR

2145

4162

4163

4164

B403/A1-16-3

CO resistant

11

2147

4165 CO = R

4166 CO = R

4167

B403/A1-20-2-1, TP x R-SBR

2152

4168

~~# 158 in yield mm
marked then 154
had taller~~

52 ✓ B403/A1-20-2-1, TP x R-SAR 4169

✓ ✓ 4170

155 ✓ B403/A1-20-2-4, " 4171

✓ ✓ #159 in yield mus
✓ section late 4172

✓ 4173

✓ ✓ 4174

56 B403/A1-20-2-5, " 4175

✓ #160 in
✓ yield mus 4176

4177	B403/A1-20-2-5, TP & R-SBR	2156
4178	✓	✓
4179	B403/A1-23-4,	" - 2165
4180	Fortuna ck.	41
4181	B403/A1-28-4,	" 2165
4182	B403/A1-28-5	" 2168
4183	✓	✓
4184	✓	" ✓

3	B403/A1-23-3	TPx R-SB	4185
77	B403/A1-7-2,	-	4186
✓	✓		4187
78	B403/1-7-3	✓	4188
✓	✓		4189
044	B4032A3-37-1, TPx R-D BBa each.		4190
✓	-2		4191
✓	-3		4192

B4032A3-37,-47PVRD

4193

4044

4194

✓ -5

✓

4195

-6

✓

4196

-7

✓

4197

✓

*any outstanding
now*

✓

4198

-9

✓

4199

-10

✓

4200

Bluebonnet, etc

39

044

B4032A3-37-11, (AP x R-D)

4201

✓

4202

He

✓

4203

010

B4033A4-12-1,

TP x R-7689

med-gr type

4204

✓

4205

✓

4206

B4033A4-43 selections
one is a A4-30 selection

4207

✓

4208

4209

B4033A4-48 sub. (1 is a A4-30 al)

4210

✓

4211

Natl cr root Mia^c

✓

4212

✓

4213

✓

4214

B322A4-6-3 R-F (off type)
Natl cross, (prob. with Bt)

2395

4215

B4033A4-47-8, TP x R-7689

4162

4216

B4033A4-30J
mostly sterile

11

52

04

B4033A4-15, TP x R-7689

4217

✓

4218

✓

4219

15 min check

4220

04

B4033A4-15,

11

4221

✓

4222

✓

4223

✓

4224

B4033A4-15, TPxR-7689

204

4225

✓

4226

✓

4227

✓

4228

✓

4229

✓

4230

✓

4231

✓

4232

04

B4033A4-15,

TPxR-7689

4233

✓

4234

✓

4235

✓

4236

✓

4237

✓

4238

✓

4239

1

Fortuna ck

4240

B4033 A4-15, TP x R-7689

4241

204

4242

4243

4244

4245 gold Bluebonnet (3 rows all the same)

4246

4247

4248 gold Bluebonnet

gold Bluebonnet	4249
-----------------	------

	4250
--	------

	4251
--	------

Bluebonnet, prob natl cross	4252
-----------------------------	------

gold Bluebonnet from P. H. field (flavoured)	4253
--	------

Bluebonnet seeds	4254
------------------	------

	4255
--	------

	4256
--	------

4257 Bluebonnet sels

4258

4259

4260 Bluebonnet ck

39

4261

4262 Bluebonnet sels slightly later than BB
very green foliage, possibly Nira (4262-4270)

4263

4264

Bluebonnet sals.

4265

4266

4267

4268

4269

4270

Bluebonnet ck

4271

4272

4273 Bluebonnet sels.

4274

4275 ^{CO}
Scg tall
rather tall
possibly a
good 7 min BBT

4276

4277

4278

4279 1 don't strain
smooth med gr.
CO = R 3000

4280 Bluebonnet ck

Bluebonnet fls.

4281

A very gum stained
BPT prob less
than BPT

Ameline Gold Bluebonnet

4282

865

4283

4284

4285

4286

4287

4288

72

Ameline Gold Bluebonnet

4289

2372

4290

4291

4292

4293

2379

4294

20 #55 in
mud, on y blot

4295

4296

-4

79-5

4297

6

4298

7

CO resistant

4299

9

Bluebonnet ck

4300

7-8

4301

-9

Seg 10. CO
mud R

4302

-10

4303

81

Bluebonnet sel

CO resistant types (4304 to 4318)

Seg 9, grain types

4304

Thick grained type prob CO resist

57 in gold on vco

4305 Bluebonnet sils.

2381

4306

4307

4308

4309 late med gr. fl. cr.
type a. m. fl. cr.

4310

4311

4312

81 Bluebonnet sub

4313

4314

4315

4316

4317

4318

22

20 58 in mass with up arm
 type with prob all S to Co.
 Bluebonnet ck

4319

4320

Bluebonnet Seb

4321

2382

4322

4323

4324

4325

4326

4327

4328

382

Blutlaunet Sch

4329

4330

4331

4332

4333

4334

4335

4336

Bluchornet Sels

4337

2382

4338

4339

4340 *Bluchornet ck*

39

4341

4342

4343

4344

Stachanov sub

382

4345

4346

4347

4348

4349

4350

4351

4352

4353

Bluebonnet sub

2382

4354

4355

4356

4357

4358

4359

4360 Bluebonnet cb

39

382 Bluebonnet silk

4361

4362

4363

4364

4365

4366

4367

4368

4369

Bluebonnet Set

2382

4370

4371

4372

4373

4374

4375

4376

382

Bluebonnet Seb

4377

4378

4379

9

Bluebonnet ch

4380

4381

4382

4383

4384

Bluebonnet silo

4385

2382

4386

4387

4388

4389

4390

4391

4392

	Bluebonnet selz. gold BB	4393
9	stiff straw, green seg.	4394
I	Very early Bluebonnet.	4395
9	gold BB short stiff straw	4396
✓	✓	4397
✓		4398
	Early rough	4399
9	Bluebonnet ck	4400

4401 Early Bludhornet, rough

4402 322B44-2 sub

2336

4403

4404

4405

4406

4407 B322B44-3 R x F

2337

4408

20) 310 at P.T.
1 on test
one or best

337

B322B44-3, Rlx F

4409

4410

4411

339

B322B44-5 ~~sch~~
 Natl G., mid rough, no short
 make obs

4412

339

B322B44-5 ~~sch~~

4413

3/2 at P.I. type
 called smooth foot type
 very good 11/12

4414

Probably no W on
 an unusual smooth
 Keep all rows
 separate.

4415

4416

417

B322B44-5 ~~Sub~~

2339

418

✓

419

✓

420 mia ck

45

421

B322B44-5 ~~Sub~~

422

B322B44-9 ~~Sub~~

2344

423

424

Stw (W)

344 B322B44-9 ~~Feb~~

4425

✓

4426

348 B322B44-13 ~~Feb~~

4427

313 at P.I.
 Very green vegetation
 appeared poor quality than
 others, Bears watching
 Gold bull where
~~at S. D. to Co.~~
 S plants in air now

4428

4429

4430

4431

353 B322B44-18 ~~Feb~~

4432

4433 B322B44-18

~~tbl~~

2353

4434

4435

4436

4437

Was 3/4 at PT
most as good as none
all show S plants to W

4438 B322B44-20

~~tbl~~

2355

4439

R to W

4440 Fortuna ck

41

Fortuna
show some W

355

B 322 B44-20

~~lets~~

4441

Some S plants

4442

4443

4444

4445

356

B 322 B44-21

~~lets~~

4446

22 309 at P.F.
 one of best, but very
 green straw
 no CO
 Trace CD.

4447

4448

4449

B322B44-21 ~~Feb~~

2356

4450

B322B44-24 ~~Feb~~

2359

R to CO

4451

long gr. types from A4-6-3
some segs for maturity, sturds stream (4# S1-4463)
S to CO

2387

4452

B322A4-6-3 rogn ~~Feb~~

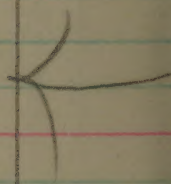
CO - S

4453

4454

4455

4456



387 B322A4-6-3 ^{Rx F} regime subs 4457

4458

4459

6 R-N ck.
R to CO 4460

4461

all S to CO

4462

4463

389 B322A4-6-3 regime subs 4464

poor at ~~PT~~
was 318

4465

B322 A4-6-3 razor Feb

2389

4466

4467

4468

all S to CO ↑

4469

4470

4471

4472

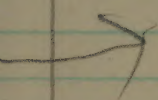
389

B 322A46-3 rogne de la

4473

4474

4475



4476

4477

4478

4479

R-N ck

4480

4481

B 322 A 4-6-3 rogue sel

2389

4482

4483

4484

4485

4486 R-N sel (Dennis) B40-9
Make a cross with ^P ~~ma~~

4487 Strain R-N (B40-9 sel.)
sel. v. good type, v. short straw, prob. v. early
is or strain a few short Co spots?

4488 B347 B40-9 sel.

f. photo

Long
No spots

data B347B40-9 sub.

4489

4490

4491

4492

data B4033A4-6 sub

4493

-184

Push CO resistant

4494

4495

34 B347B40-9 roque

4496

4497 B347B40-9 vague sel

2434

4498

4499

4500 B347B40-9, ck

46

4501

4502

4503
green
thin rough & smooth
all gold short stem
v. much like a BP ant. Veg g

4504

34	B 347 B 40-9	ragne sub	4505
136	do		4506
			4507
			4508
			4509
			4510
			4511
			4512

4513

B347B40-g rogue sels

2436

4514

a very good row
an occasional S Co
plant

4515

B347B40-g rogue sels

StoCo

2437

4516

StoCo

4517

Long to Co

4518

4519

4520 bluebonnet ck

39

137

B 3 47 B 40-9 rogne sub

4521

4522

138

B 3 47 B 40-9 rogne sub

4523

4524

4525

4526

4527

4528

B 347B 40 - 9 rogue sub

4529

2438

4530

✓

4531

✓

4532

✓

B 347B 40 - 9 see

4533

2441

4534

4535

4536

This paper
is an 8 1/2 x 11
med length
gram
has heavy
cough & soft
downy
smooth

441

B 347 B 40-9 Sel

4537

442

do

4538

4539

5 ma ck

4540

B 347 B 40-9 Sel

4541

4542

4543

4544

4545

B347B40-9 *Sub*

2442

4546

4547

4548

4549

✓

4550

4551

4552

442

B 347B 4.0-9 *Sels*

4553

4554

4555

4556

4557

4558

*excellent
Patna grain type**a very
good
row*

4559

*very
Sels*

41

Fortuna ck

4560

4561

B347B40-9 sub

2442

4562

4563

4564

4565

sub and plant
very good

4566

4567

4568

442

B347B40-9 sek

4569

✓

4570

✓

4571

444

B347B41-5 rogne sek

4572

4573

Gto
CO

4574

4575

4576

4577

B347B41-5 roque sub

2449

4578

Tall
like me

4579

4580 R-N c

46

4581

4582

4583

4584

(4584 + 85 are same plant)
2 rows.

2444

444-1	B347B41-5 rogne seb Stolo	4585
445	B347B41-5 rogne seb	4586
446	do	4587
447	do	4588
	B347B45-1 RxN	4589
	-2	4590
	-3	4591
	-4	4592

4593

B347B45-5

R x N

W

R to W

-6

4594

1

4595

R to W
exceptionally
long grain

-7

W

-8

4596

4597

seeds
only
a mix of
W & R

-9

B347B44-3, *seeds*

4598

2258

W

4599

#225 in
yellow
stems
cut
grain

W

4600

Bluebonnet ck.

39

258

B 347 B 44-3 selc

4601

type

B 347

slender 9'

sl. longer than

more cyl + 2 more slender.

stems

V. good

are very heavy

here

K

4602

K

4603

K

263

B 347 B 44-7, selc.

4604

315 at PT

min

as tall as disc

4605

4606

4607

264

B 347 B 44-8, selc

4608

4609

B347B44-8, sub

2264

3/6 APD

Very long gr. type

4610

4611

4612

4613

B347B44-9 sub

2265

4614

226 on field pl.
and for 180

4615

4616

B347B44-13 *sk*
2269

#320 at PT
considered had in test

4617

hr

4618

hr

leg straw
and gold

4619

sk

45 *min ck*

4620

4621

hr

4622

hr

4623

hr

B347B44-15 *sk*

271

4624

4625

B 347 B 44 - 15 Feb.

2271

#32 / at PT

4626

Very much like #320

4627

4628

B 347 B 44 - 16 Feb.

2272

4629

B 347 B 44 - 21 Feb.

2277

4630

B 347 B 44 - 23 Feb.

2279

4631

4632

Was 30 b at PT
Very good, very much
like 42-10

279

B347B44-23 *Sub*

4633

4634

4635

4636

283

B347B44-26 *Sub*

4637

1227 m
Yield mms.

4638

4639

5 mms ck

4640

4641

B347B44-26 sel

2283

4642

4643

B347B44-28 sel

2285

4644

4645

307 at PT
rather tall & irregular
at PT, good

4646

4647

4648 mra sel (gold)

2252

252

mra selb (gold)

4649

4650

4651

4652

4653

4654

4655

4656

46577 *ma felb, gold* 2252

4658 *ma sel* 2453

4659 *hath Cross in Pr. Mia* 2458

4660 *Intima sel* 41

4661 *B3713A17-2-1 sub* 2408

4662 ✓ ✓

4663 ✓ ✓

4664 *B3713A1-2-1 sub* 2402

402 B 3713 A1-2-1 sel 4665

287 High Mex # 7 TP & Long sl 4666

290 " 4667

303 High Mex # 9 TP & R, Long sl 4668

4669
 1761 in yield
 mus
 poor grain yield

4670

4671

325 High Mex # 10 4672

4673

High mix #10 TPR R-R-D

2325

4674

4675

hr

150 constant
type

4676

4677

4678

4679

2328

4680

Bluebonnet ck

39

328

Hgh Mex # 10-44-11, T.P.V.R., R.D.

4681

4682

4683

2)

Hgh Mex - 10-44-9,

4684

4685

4686

4687

4688

4689

Hyh Mix-10-44-4, TP+RxR-D

2321

4690

4691

4692

4693

4694

4695

4696

32) High Max - 10 - 44 - 4, TP & R, R-D
4697

4698

Hu

4699

5 nra ck 4700

89 B4025A1-18-4, R-7689x R-7689
4701

4702

90 do 4703

4704

4705	4025A1-18-4	R-7689x R-7689	2190
------	-------------	----------------	------

4706			✓
------	--	--	---

4707	B 4026A 5-6 very stiff strain	R-7689 x R	5264
------	----------------------------------	------------	------

4708	✓		5165
------	---	--	------

4709	A5-6-1 appeared to have as good strain as R x p Lf.		2191
------	--	--	------

4710			
------	--	--	--

4711			
------	--	--	--

4712			
------	--	--	--

191

B4026A5-6-1,

R-76891R

4713

4714

4715

4716

92

A5-6-2

"

4717

4718

4719

Bluebonnet ck.

4720

4721 B4026 A5-6-2, R-7689 x R 2192

4722

4723

4724 A5-6-3 " 2193

4725

4726

4727

4728

193

B4026 A 5-6-3, R-7689XR

4729

4730

199

B4026 A 5-31-3,

"

4731

4732

4733

4734

4735

4736

4737 Very early med-gr smooth from T Patina (PI)

4738 V. early Bluebonnet, med-gr (PI)

4739 Rough med-gr, from Bluebonnet (PI)

~~Sub~~

4740 Bluebonnet ck 39

4741 Rough sub from Ark R-SBR Duns

4742

4743

4744

✓
b
-566
ough
4745

4746

4747

4748

4749

4750

*Smooth
Sels*

4751

4752

*Sels**Very good
shave*

4753

ark
R-SBR
rough
Linn

4754

4755

4756

4757

4758

4759

4760 R-SBR chick 48

rk
-SRP
rough
runner

4761

4762

4763

4764

rk
SRP
with

4765

red-ox type, smooth & rough

4766

Sub

4767

4768

4769 B46-4769, P-SBK del.

ark
P-SBK
smooth

4770

4771

4772

4773

4774

4775

4776

del

k
SBR
with

4777

4778

4779

3 4780

4781

4782

Possibly BBT x R-SBR
Feb 10/24 Early straw
Smooth

4783

Hh
Row

4784

Logues from Resark

4785

~~Row~~
Row

ark
RSBK
sm

4786

4787

4788

4789

4790

4791

4792

ark
R-SBP
lm
Rogues from Revack
4793

4794

4795

Sub 1/2
24
Hn
Pw
4796

4797

Possibly BBT

new
than
4794 on 11/2
Proh R-SBP BBT 4798
looking good
some Bgt sub 10/24 Hn

Possibly BBT 4799
20 Breeding time
early make subs Hn

25 Hill Song Sparrow 4800

4801

Rogues from Rexark

ark
R-SBR
smooth

4802

4803

making
also also

Prob late
maturity

Outstanding for
green straw

4804

4805

making
also also

Very much like Original
Less shrubby

4806

4807

4808

Rogue from Rexark

ark
-569
smooth

4809

4810

4811

4812

4813

4814

4815

4816

Rogues from

4817

ark
R-SBR
sm

4818

4819

4820

48

4821

4822

4823

4824

Rexark

77

ik
SBR
m.

4825

4826

4827

4828

4829

4830

4831

Prob late
(mis mat)
1. gum stain

mem sub
4832
Lela

Rogus

4833

ark
R-SBP
sm
Renes

4834

4835

4836

4837

4838

file

4839

file

4840

54

from Remark

78

rk
SPK
m
Qum

4841

4842

4843

4844

4845

4846

4847

4848

Rogues from

4849

ark
R-SBP
sm

4850

4851

4852

4853

4854

4855

4856 straw hulls, smooth
V short straw

W
row
like on 11/13 prob some earlier

Rexark

79

nk
-S&P
line

4857

4858

4859

sub

9

4860

4861

4862

4863

looks like original

4864

*Ho
Ron*

Rognes

4865

ark
R-SBR
sm
slu

4866

4867

4868

4869

4870

4871

4872

from Rexark

80

rk
SBR
m
ms

4873

42

4874

Sub

Very green
vegetation

4875

Sub

44

Stockdick Early Rex

4876

Sub

4877

46

do

4878

4879

8

R-SBR parent

4880

4881

B403/A1-1-6-1 TPXR-SBR

2125

4882

11-2

5276

4883

11-3

5277

4884

B403/A1-1-1-1-1-1 "

5275

Same as #148
cut guard in
mms. rather late

4885

A1-1-1-2-1

5276

4886

A1-1-1-3-1

5277

4887

A1-1-1-4-1

5278

4888

#149 in
mms. rather late
~~No CO here -2~~

281

B4031A 1-1-1-6-1; TP x R-SBR

4889

-2

4890

-3

4891

-4

4892

23

B4031A 1-1-8-1

4893

Earliest in "yeld mure"
 earlier than ap + growth
 # 150 in mure

11/2

4894

11/2

8-3

4895

11/2

8-4

4896

Good 3' sec.
 good CRA

V. early + v short stem

11/2
sls

4897 B403/41-1-3-5-1TPxR.SBR
#18 in yellow moss
shorted & broken
very green straw
new R to begin
5292

4898 A1-1-4-4-1 5297

4899 A1-1-4-7-1 5301

4900 Well Long grain 25

4901 B403/41-1-10-1 2125

4902 " -2 ✓

4903 # 154 in yellow moss
rather late -3 ✓

4904 " -4 ✓

125

B 403/A1-1-10-5-TP x R-SBR

4905

greener stain than others

R to C

W

303

B 403/A1-1-5-1-1

4906

305

A 1-1-5-3-1

4907

306

A 1-1-5-4-1

4908

✓

" " - 2

4909

✓

" " - 3

4910

008

Hill E. River

4911

16

do B 44-2647-3-1

4912

CO constant Hill River
now

4913

Hell E. River

Hell
St Co

5017

4914

all appear
like longer than
med. St Co

✓

4915

longer than
Hell med. St Co

✓

4916

longer than
Hell med. St Co

✓

4917

Hell med-gr

5018

4918

✓

4919

✓

4920

5019

19 Hill Early Rex 4921

23 Hill Early Rex 4922

25 Hill E. Rex 4923

39 Hill Early Rex 4924

48 Hill Early Rex
-1 4925

not a cross between Hill and Prob course
Hill Prob CG constant 4926

-3" 4927

08/ 4928

4929

Heil Med grain

make many
also smooth type
Zemith type
leg rough stem
gold stem
rough stem
15-

4930

"

make many
also smooth type
Zemith type
gold or straw
Rough gold
15-

4931

Either " Zemith or a true breeding

HT-

Heil Med, Zemith

15-
stem rough

4932

"

Tall, smooth, straw

15-

4933

"

15-
rough stem

4934

"

15-
rough stem

4935

F, plant from Heil Long
Rough hulls, pr tips, straw

4936

Same seed as 4935 (2 rows)

2
2
2

Heil selections	4937
gold rough	
"	
gold smooth	4938
Breding guide line, med & gold	
tall, like R to Co	
"	
gold rough	4939
8 R x SBR, check	4940
Heil sel	
gold smooth	4941
"	
gold smooth	4942
"	
gold rough	4943
Excellent med-gr. types	
Prob Early, R to C O. Short stem	
"	
gold smooth	4944
Prob later, taller, very good	

4945 B4044A3-1-1-5, R-SBR x BR
earlier than others
Same as #165, the original line
most too late 2096

4946 B4044A3-5-2, " 2098

4947 "

4948 " as #167
Same

4949 " Had too much streaking
in yield rows.

4950 "

4951 "

4952 "

99 B 4044 A3-5-2, R-SBR x BR 4953

" 4954

" 4955

" 4956

" 4957

03 " 4958

" 4959

32. zenith, check 4960

4961

B4045B44-1, R-SBR x BR41

2105

4962

"

✓

4963

" - 2

2106

4964

#168 m
yield mms.

fruit got stuck
all 3 appear alike

✓

4965

"

✓

4966

" - 3

2107

4967

#25 m"
yield mms

4968

07	B 4045B44-3,	R-SBR x RP41	4969	
08	"	-4,	"	4970
	"			4971
	"			4972
	"			4973
	"			4974
	"			4975
09	"	-5		4976

4977

B4045 B44-5, R-SBR, BR 4)

2109

4978

"

✓

4979

"

- 6

2110

4980

magnolia chick

7 plot

4981

B4045 B44-7

2111

4982

"

✓

4983

"

✓

4984

"

- 8

2112

112 B4045B44-8, R-SBR v BPR
 Substituted for #26 4985
 Lu

#26 in "yellow muns."
 Best in yellow muns. 4986

✓ earlier than others 4987
 Lu

113 B4045A1-2-3, " 4988

" 4989

Same as #169
 considered very good
 all appear uniform 4990
 Lu

4991

" 4992

4993

B4045A1-2-3, R-SBR x BR41

2114

4994

"

✓

4995

"

✓

4996

B4045A1-4-1,

"

2116

4997

"

4998

Same as 171
longer
all appear uniform
5 to 6 inch green stems, no tuber
than 2

4999

"

5000

E. Prolific, ck

1

116	B4045A1-4-1, R-SBR, BR41	5001
	"	5002
	"	5003
117	B4045A1-4-1, "	5004
	"	5005
	"	5006
049	A1-4-2,	5007
	S to CO further grain than most. sl shorter	
051	" Similar to 5007	5008

B4045 A1-4-2, P-SBR x BR4

5009

longer grain than average

5066

grows with
Hill seeds

5010

"

5069

5011

"

5072

5012

grows with
Hill seeds
S

to Co. but very
green straw

5073

5013

"

5049

5014

A1-4-1

5082

5015

"

5087

5016

B4044 A3-4-2

P-SBR x BR

~~W~~

8/28

R to W.

grows elongated
Hill seeds

green straw
than other self

seeded for 16

5089

B4044A3-4-2-2, R-SBR x BR 5017

091

092

Original 4044A3-4-2 line was
#166 in yell mss ~~was~~ ^{was} ~~not~~ ^{not} ~~correct~~ ^{correct}!
BR type lent direct ^{look for fast}
3

5018

5019

2

Crowley Smoothwall ck 5020

093

B4044A3-4-2-4, R-SBR x BR 5021

094

-5

5022

01

B423B44-1, BR41-EP x R-7143 5023

002

-2,

5024

5025

R423B44-5, BR41-Epx R-7143

2005

5026

"

✓

5027

"

-6

2006

5028

"

✓

5029

"

Best type
sub for 1 in
field mm.

✓

5030

"

-7

2007

5031

"

✓

5032

"

✓

08	B423B44-8, BR41-EPX	not K-7147	5033
----	---------------------	---------------	------

/	"		5034
---	---	--	------

/	"		5035
---	---	--	------

15	" -15		5036
----	-------	--	------

15	"		5037
----	---	--	------

18	" -18		5038
----	-------	--	------

/	"		5039
---	---	--	------

EPK		+	5040
-----	--	---	------

5041

B412A 5-52, 8323x K-7143

2028

del

The outstanding
row of this group, v. green reg
many tillers, short strong
v. good

5042

B3810B44-1, S-E P x LA Cdy

8/26

2029

5043

B3810B44-12

8/28

2042

5044

"

5045

"

5046

8/28

5047

"

+

5048

8/28

43

B 3810B 44-13, S-EP, CA-*Chy*

5049

"

5050

"

5051

45

"

- 16,

"

5052

"

5053

"

5054

"

5055

"

5056

Very sandy w/ growth, irregular.
 Very good

5057	B3810B 44-17,	S-EP, CA-Cdy	2046
------	---------------	--------------	------

5058	8/28	" -18	+	2047
------	------	-------	---	------

5059		"	+	✓
------	--	---	---	---

5060	zenith ck.			3
------	------------	--	--	---

5061	8/28	B3810B 44-18	+	2047
------	------	--------------	---	------

5062	8/28	" -20	+	2049
------	------	-------	---	------

5063	8/28	"	+	✓
------	------	---	---	---

5064		"	+	✓
------	--	---	---	---

S1 B3810B44-22, S-EP x CA-Cdy 5065

S2 " -23 5066

" 5067

S3 " -24 5068

S4 8/28 " -27 + 5069

" T 5070

S7 " -28 5071

" 5072

5073

B 3810 B 44-28, S-EPx CA - Cd

205

a Hall Cross breeding line
 gold hulls, mud-gr. sm.
 7th row 1st hills.

"

5074

✓

"

5075

✓

5076

B 3810 A 17-1,

"

2062

"

5077

✓

"

5078

206

CO + Horizontal
 type

5079

"

✓

5080

Zunith ck

3

5	B3810A17-1-1	S-EPX CA-City	5081
6	"		5082
	"	+	5083
	"		5084
8	"		5085
	"		5086
69	"		5087
	"		5088

B3810 A17-1-1, S-EPYCA -Cdy

5089

206

"

5090

207

"

5091 Proh F₁, shutter, semi club, stiff stem

207

"

5092

✓

"

5093 8/20

207

"

5094 ap type, shutter, very early
8/20

207

"

5095

✓

"

5096

✓

2072	B3810 A17-1-1	S-EP & 4-cky	5097
2073	"		5098
✓	"		5099
1	EP chick		5100
2074	B3810 A17-1-1	"	5101
2075	"		5102
✓	"		5103
✓	8/20		5104

5105

B3810A17-14, S-EP, CA

2075

5106

17

207

5107

11

5108

"

2079

5109 7/22

"

5110

"

20 81

5111

B43-2089 Sun BR
earlier than average

5579

5112

early

"

554

549
B43-2089, Sm BK 5113

rough 5114

B43-2089 sel (Dense) 5115

do 5116

do 5117

do 5118

1
Rough sel. 5119

3
Broadly smooth 5120

- | | | |
|------|--|------|
| 5121 | B43-2089, Sm BR
Heavily rel., smooth | 29 |
| 5122 | B3810 A17-1-1 S-EPICA-Cohy
very early | 17. |
| 5123 | "
early | 17 |
| 5124 | B 4044 A3-4-2-6, R-SBR, BR-1 | 5095 |
| 5125 | -7 | 5096 |
| 5126 | -8 | 5097 |
| 5127 | -9 | 5098 |
| 5128 | -10 | 5099 |

101	B4044A3-4-2-11, R-SBR	5129
	"	5130
	unig. length (med) Excellent stream type on 29-31	5131
	"	5132
	like 24-28 early golf lines type	5133
102	" -12	5134
	" -13	5135
103	" -16	5136
106	like 29-31	
	"	
	1 of shortest stream	

Rt CO rather late
med. p. & green stream

5137 B4044A3-4-2-16, R-SBR, BR 5106

5138 29-31
" " ✓

5139 " -17
" ✓
Taller than some but uniform 5107
1 of U. best

5140 B41-3299 BR 2

5141 B4044A3-4-2-17, " 5107

5142 " -18 5108

5143 " ✓

5144 " ✓

5108	B 4044A3-4-2-18, R-SBR x BR	5145	Wn
✓	"	5146	Wn
✓	"	5147	Wn
✓	"	5148	Wn
✓	"	5149	Wn
5117	B 4044A3-4-2-26	"	5150
	Same as plot # 24		
F	V. early med-gr gold from T Patna	5151	
F2 132A1	B41-3299 x R-SBR x BR	5152	

B43^{2A1}

5153

B41-3299 X (R-SBR x BR)

F2
432A)

5154

5155

5156

5157

5158

5159

5160 B4044A3-5-2, check
R-SBR x BR 2098

Fr B 432A1 B 41-3299x (R-SBR, R)
32A1 5161

5162

5163

5164

5165

5166

5167

5168

5169

B 432A1

B41-3299 x

(R-SBR x BA)
Fr
432A

5170

5171

5172

5173

5174

5175

5176

32A)

5177

5178

5179

3. Zenith, ck

5180

5181

5182

5183

5184

5185

B432A1, B41-3299x (R-SBR^xBR)
F2
432A)

5186

5187

5188

5189

5190

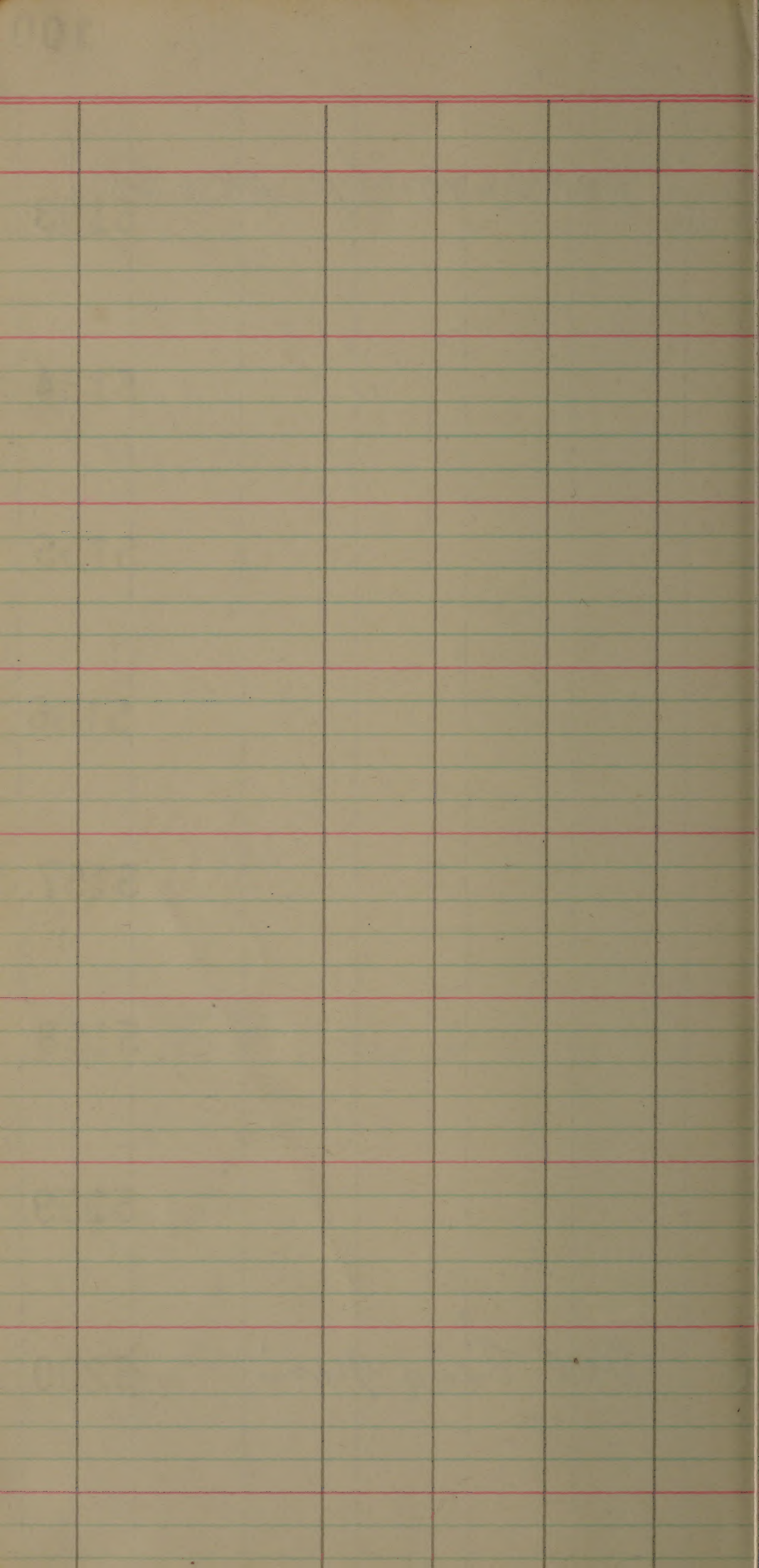
EP ap ck.

1

5191

5192

2 32A)	B41-3299X (R-SBR x BR)	5193
		5194
		5195
		5196
		5197
		5198
		5199
5	Hell Lang gran	5200



cut

4129

4135

4138 best grain

4145

4150

4158

4197 Adv

4202

4248

4252

4299

U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY

CEREAL CROPS AND DISEASES

AGRONOMIC NOTES

B4356A

v. good L types
make a Bulk plot

B4318A5

Prob no Bulk plot

Harvest

5397

5468

gone over

5201-5691

B4310A v. good smooth } Bulk
EP types } plot

B4311A

excellent early sm types
Better grain types than B4310A

Bulk plot
A3 the best population

B432A

Many promising types
but much seg. Make up a
Bulk plot. - some long sh.
grain types present

B433A

Standing much better
on 11/16/46 than
432A. Similar
v. good

Very much like B432A
Make Bulk plot

B437A,

Some fairly good types
thaw too much & grain too thick
No Bulk plot

SAMPLE PAGE

VARIETAL TEST OF OATS, 1908

CONDITIONS OF EXPERIMENT

PLOT

Location.....Field H.
Size.....1/20 acre.

SOIL

Kind.....Prairie loam.
Position.....Somewhat rolling.
Previous crop.....Corn.

NAME AND CONDITION OF MACHINERY

Plow.....
Disk.....Osborn.....Sharp.
Harrow.....U Bar.....Good.
Seeder.....Monitor.....Good.

SEED

Variety.....Variable.
Weight per bushel.....Variable.
Source.....Variable.
Treatment.....Fanned clean and treated for smut.

SEED BED

Preparation:

1. Disked (lapped half).....4-6-'08.
2. Disked (lapped half).....4-10-'08.
3. Harrowed.....4-10-'08.
4. Harrowed.....4-27-'08.
5. Seeded.....4-27-'08.
6. Harrowed.....4-27-'08.

SEEDING

Manner.....Drilled.
Date.....4-27-'08.
Rate.....3 bushels per acre by weight.

TEST OF _____, 19____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date_____

Rate_____

TEST OF _____, 19____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation :

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date _____

Rate_____

TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date _____

Rate_____

TEST OF _____, 19____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date_____

Rate_____

TEST OF _____, 19____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation :

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date_____

Rate_____

TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date _____

Rate_____

TEST OF _____, 19____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date_____

Rate_____

TEST OF _____, 19____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation :

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date_____

Rate_____

B432A2 - B41-3299 x (R-SBR-BR) F2
5201 432A2

5202

5203

5204

5205

5206

5207

5208

F₂ B 432A2 - , B41.3299 x (RSP, DR)
32A2 5209

F₂ B 432A3
32A3 5210

5211

5212

5213

5214

5215

5216

5217

B432A3 -

B41-3299 x

(R-SBR x BR)

F2
432A

5218

5219

5220

B4044A3-5-2, R-SBR x BR, check
2098

5221

5222

5223

5224

B43243 - , B41-3219x (R-SBR) (RR)
 3243 5225

a very good
 type green stem (grow with
 Heel material) 5226
 Seb

5227

5228

5229

5230

5231

5232

5233

R432A3 - R41-3299 x (P-5PK & BK) F2
432A

5234

5235

5236

5237

5238

5239

5240

Zenith, Chuck

3

F2 B432A3-1, B41-3299x(R-SBR,SR)
432A3

5241

✓ 5242

✓ 5243

F2 B432A4,
432A4

" 5244

5245

5246

5247

5248

5249

B432A4-

B41-3299x

(R-5BR)

BR
F2

432A

5250

5251

5252

5253

5254

5255

5256

F2 B482A4- B41-3299 x (R-SRR x B/C)
 32A4 5257

5258

5259

E. Prolific, Chick

5260

5261

5262

5263

5264

5265

B432A4- , B41-3299 x (R SBR v BR)
F2
432A4

5266

5267

5268

5269

5270

5271

5272

F2
B432A4

B432A4-

B41-3299X

(R-SBR/BR)

5273

5274

5275

5276

5277

5278

5279

B41-3299

chuck

5280

5281	B432A4- , B41-3299X (R-SBR x RR) F2 432A	
------	--	--

5282		✓
------	--	---

5283		✓
------	--	---

5284		✓
------	--	---

5285		✓
------	--	---

5286	B432A5- , B41-3299X (R-SBR x RR) F2 432AS	
------	---	--

5287		
------	--	--

5288		
------	--	--

F2 B432A5- B41-3299X (R-SBR x BR) 5289

5290

5291

A A5-3 ^{her} good gold bull 5292
 met-g. leg rough
 smooth, V green stain *Feb*

5293

5294

5295

5296

5297

B432A5-

B41-3299x (R-SBR x BR)

F2
432A

5298

5299

5300

B4044A3-5-2, check

2098

5301

5302

5303

5304

F2 B432A5- B41-3299 x (R-SRP x RP)
32A5

5305

5306

5307

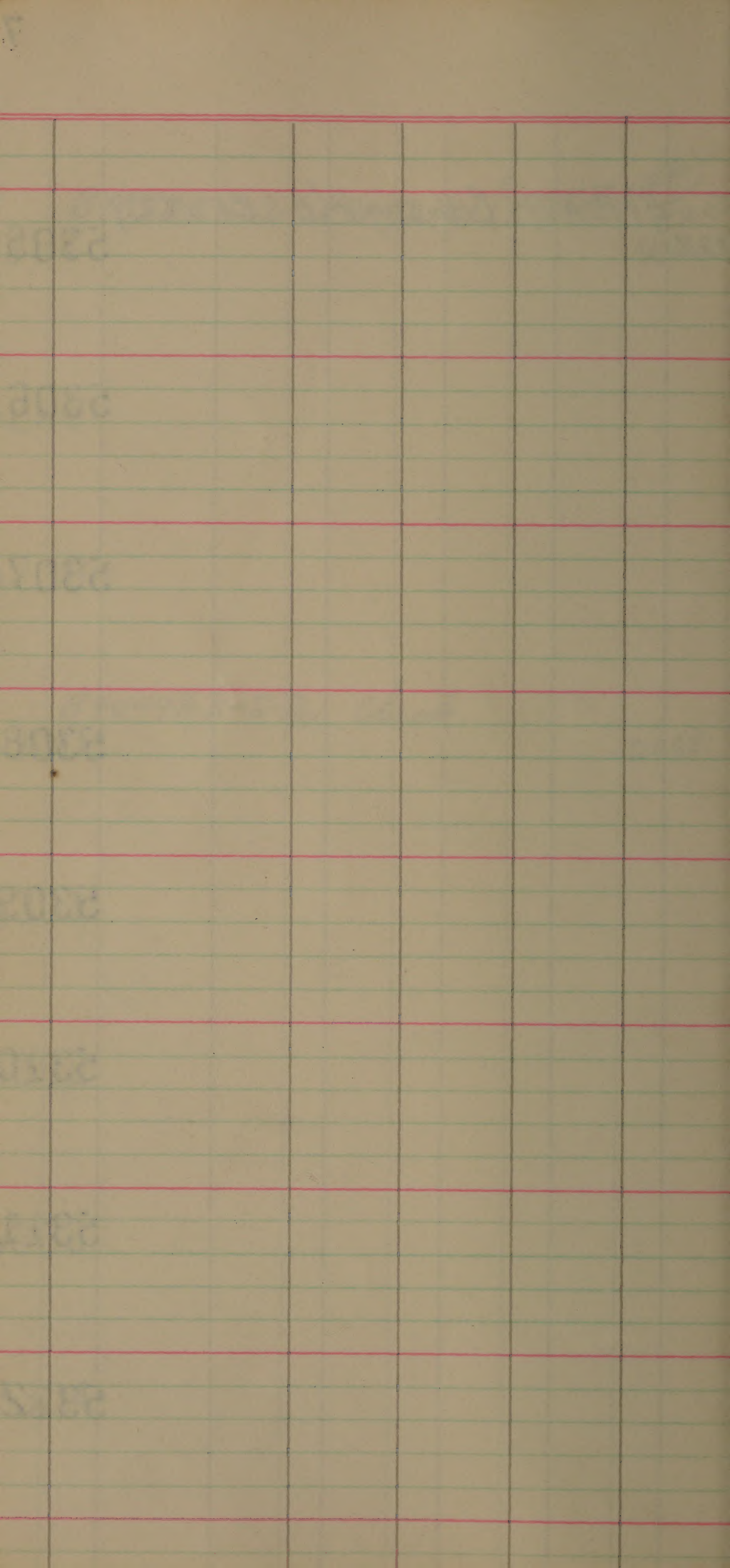
5308

5309

5310

5311

5312



5313

B432A5- , B41-3299 x (R-SBR x BR)
F2
432A5

5314

5315

5316

5317

5318

5319

5320 Zenith, check

F2-645245- , B41-3299.X (R-SBR x BR)
 13245 5321

5322

5323

5324

5325

AS-5 a very good gold ball
 med-gr. all smooth 5326
 Feb

5327

5328

5329

B432AS- , B41-3299x (R-SBR, RR) F2
432AS

5330

5331

5332

5333

5334

5335

B433A1- , B41-3299x (R-SBR, RR) F2
433A1

5336

2 B433A1- , B41-3299X (R-SBR x BR41)
 33A1 5337

5338

5339

16 B404SA1-4-1, R-SBR, BR41, check
 5340

B433A1- , B41-3299X (R-SBR, BR41)
 5341

5342

5343

5344

5345

B433A1-

B41-3299X

R-SRR

WBR
F2
433A1

5346

5347

5348

5349

A1-47med
like Hill med

5350

5351

5352

2 B433A1- , B41-3299 x (R-SBR) B41
33A1- 5353

5354

5355

5356

5357

5358

5359

Early Prolific

5360

B433A1-, B41-32191(R-SBR x BR41) F2
433A1

5361

5362

✓

5363

✓

5364

✓

5365

✓

B433A2-, B41-3299x(R-SBR x BR41) F2
433A2

5366

5367

5368

F2 B433A2 -

33A2

BH-3299X (R-SBRXBR41)

5369

5370

5371

5372

5373

5374

5375

5376

5377 B433A2- , B41-3299x (R-SBRxBR41) F2
433A

5378

5379

5380 B404SA1-4-7, R-SBRxBR41, Chuck
216

5381 B433A2- , B41-3299x (R-SBRxBR41)

5382

5383

5384

2 B433A2- , B41-3219 (P-SBR x BR41)
3A2

5385

5386

5387

5388

5389

5390

5391

A2-6

5392

5393

B433A2-

B41-3299x(R-SBRxBR41)F2
 $\frac{1}{8}$ $\frac{1}{8}$ $\frac{1}{8}$ $\frac{1}{8}$ 433A1

5394

5395

5396

5397

W A2-7_a
almost
bluebonnet for
length of
grain
same mat
as Zenith
under
growth

5398

sub Hill Nut type

5399

5400

Zenith, check

F₂ B433A2- , B41-3299x (R-SBR v BP41)
 33A2- 5401

5402

5403

5404

5405

5406

5407

2 B437A1-1, B4112A5-5 x 8323
 7A1 5408

B437A1-2 B4112A5-5x 8323

F2
437A

5409

-3

5410

-4

5411

-5

5412

-6

5413

file
10/24
seg rough & smooth
standing much better
than others

-7

5414

10/24
sep
10m
standing v. nice

-8

5415

-9

5416

2 B437A1-10, B4112A5-5x 8323
37A1 5417

-11 5418

all looks good on 11/14/46 -12
Excellent straw
standing & well
5419
Dry
sub
10/24

26 CI-8323, check 5420

-13 5421

-14 5422

-15 5423

-16 5424

B437A1-17, B4112AS-5, 8323

F2
437A1

5425

-18

5426

-19

5427

-20

5428

-21

5429

-22

5430

-23

5431

-24

5432

2 B437A1-25, B4112AS-5 x 8323
37A1 5433

-26

5434

-27

5435

-28

5436

-29

5437

-30

5438

-31

5439

E. Prolifer, check

5440

5441 B427A1-32, B4112A5-5X 8323 F2 437A

5442 -33

5443 -34

5444 35

5445 36

5446 37

5447 38

5448 B4310 A1-1, B4112A5-8 X BPH-EP F2 4310

2 B4310A1-2B4112A5-8 x BR41-EP
310A1 5449

-3
Typical EP type but rough
smooth, roughs appear to have
larger lumps?
5450

the
file
10/24

-4

5451

-5

5452

-6

5453

-7

5454

-8

5455

-9

5456

5457

B4310A1-10, B4112AS-8 x BR41-EP
F2
4310A1

5458

-11

5459

-12

5460

Zenith, chuck.

3

5461

-13

5462

-14

5463

-15

5464

-16

²B4310A1-17, B4112A5-8x B441-EP
 310A1 5465

-18 5466

-19 5467

-20
 Very good smooth hulled
 type
 Still looks very good on 11/14/46
 5468
HW

-21 5469

-22 5470

-23
 a very good Smith type
 5471
sub

-24 5472

5473 B4310A1-25, B4112A5-8x BR41-EP
F2
4310A

5474 -26 ✓

5475 -27
✓ very stiff straw
few seeds.

5476 -28 ✓

5477 -29
✓ good 3rd type
has exceptionally long heads

5478 B4310A4-1, " F2
4310A

5479 -2

5480 CI-8323, check 8

2 B4310A2-3, B4112A5-8xBR41-EP
310A4

5481

-4

5482

-5

5483

-6

5484

-7

5485

-8

5486

-9

5487

-10

5488

5489

B4210A4-11, B4112A5-8x BP41-EP
F2
4310A4

5490

-12

5491

-13

5492

-14

5493

-15

5494

-16

5495

-17

5496

-18

B4310A4-19, B412A5-8x BR41-EP
B4310A4 5497

-20

5498

-21

5499

E Prolific, check

5500

-22

5501

-23

5502

-24

5503

-25

5504

5505 B4310A4-26, B4112A5-8 x BK41-EP. F2 4310A

5506 -27 ✓

5507 -28 ✓

5508 B4311A1-1, B4N2A5-8 x 8323-Z
No sel Excellent smooth growth types F2 4311A
1/2 1 Shift strand

5509 1-2

5510 -3

5511 -4

5512 -5

2 B42NA1-6, B4112A5-8 x 2323-2
311A1

5513

-7

5514

-8

5515

-9

5516

-10

5517

-11

5518

-12

5519

Givitt, check

5520

5521

B4311A1-13, B4112A5-8, 8323-Z

F2
4311A1

5522

-14

5523

-15

5524

-16

5525

-17

5526

-18

5527

-19

5528

-20

B42NAI-21, B4112A5-8x 8323-2
3NAI 5529

-22

5530

-23

5531

-24

5532

-25

5533

-26

5534

-27

5535

-28

5536

5537

B4311A1-29, B4112A58 x 8323-1/2 Fr
4311A

5538

-30

5539

-31

5540

B411A3-12, 8323x2, check 27

5541

-32

5542

-33

5543

-34

5544

-35

5553

B4311A2-5, B4112A5-8x 8323-Z F2

4311A

5554

-6

5555

-7

5556

-8

5557

-9

5558

-10

5559

-11

5560

B411A3-7 8323x 76, check
on field plots 36

2 B431/A2-12, B4112A5-8x 2323-2
B11A2

5561

-13

5562

-14

5563

-15

5564

-16

5565

-17

5566

-18

5567

-19

5568

5569

B4311A2-20, B4112A5-8x8323-Z F2
4311A

5570

-21

5571

-22

5572

-23

5573

-24

5574

-25

5575

-26

5576

-27

One of very best in cross
for strain type

10/24
short
stump
strain

2 B4311A2-28
311A2

5577

-29

5578

-30

5579

E. Prolific, check

5580

-31

5581

-32

5582

-33

5583

-34

5584

5585

Wx 24

124

B4311A2-35, B4112A58x8323-Z F2

4311A

Excellent row

Steel looks excellent on $\frac{1}{14}$
-36

5586

✓

5587

B4311A3-1

"

F2
4311A3

5588

-2

5589

-3

5590

-4

5591

-5

5592

-6

This line has by far the
best show types

✓ B4311A3-7, B4112A5-8 x 8323-7
 311A3 5593

-8

5594

-9

5595

-10

5596

-11

5597

18/24

-12

5598

-13

5599

Benith, check

5600

84311A3-14, 84112A5-8x8323-2 F2
4311A3
5601 $\frac{10}{2}$ $\frac{10}{2}$ very good smooth type
low $\frac{10}{2}$ all smooth
-15

5602

5603 -16

5604 -17

5605 -18
W $\frac{10}{2}$ taller than most but
low $\frac{10}{2}$ very good smooth type
later

5606 -19

5607 -20

5608 -21

2 B4311A5-22, B4112A5-8x8323-12
311A3 5609

-23

5610

-24

5611

-25

5612

-26

5613

-27

5614

-28

5615

-29

5616

5617

B4311A3-30, B4112A58x8323-2

F2
4311A

5618

-31

5619

-32

5620

B411A3-12, 8323x2 Parent

Parent strain

27

5621

-33

5622

-34

5623

-35

5624

-36

F2-B4311A3-37
311A3

5625

- 38

5626

- 39

5627

- 40

5628

- 41

5629

- 42

5630

- 43

5631

- 44

5632

5633

B4318A5-1, B3715A36-6 x 8323 F

4318A

5634

-2

5635

-3

5636

-4

5637

-5

5638

-6

5639

-7

5640 CE-8323, Parent

8

✓ B4318AS-9, B3715A36-6 x 8323
18AS 5641

-10

5642

-11

5643

-12

5644

-13

5645

-14

5646

-15

5647

-16

5648

5649 B 4356A1/1, 8326 x 8323 - 12 F2
4356A

5650 - 2

5651 - 3

5652 - 4

5653 - 5

5654 - 6

5655 - 7

5656 - 8

B 4356A1-9, 8326 x 8323 x 74
56A1 5657

-10 5658

-11 5659

Zenith, check 5660

-12 5661

-13 5662

-14 5663

-15 5664

5665

B4356A1-16, 8326 x 8323 - 12

5666

-17

5667

-18

5668

-19

5669

-20

5670

-21

5671

-22

5672

-23

B4356A1-24, 8326x8323-2 5673

-25 5674

-26 5675

-27 5676

-28 5677

-29 5678

-30 5679

7 B411A3-12, 8323x2
Parent strain 5680

5681

B4356A1-31, 8326 x 8323-Z Fr

4356A

-32

5682

✓

5683

B411A3-7, 8323 x Z, check

36

5684

E. Prolific check

1

5685

Zenith check

3

5686

44-510

5687

44-5103

5688

44-510

44-5103

5689

44-5105

5690

44-5105

5691

5692

5693

5694

5695

5696

5637

2012-4

5638

2012-4

5699

2012-4

5700

5701

5702

5703

5704

5705

5706

5707

5708

5709

5710

5711

5712

5713

5714

5715

5716

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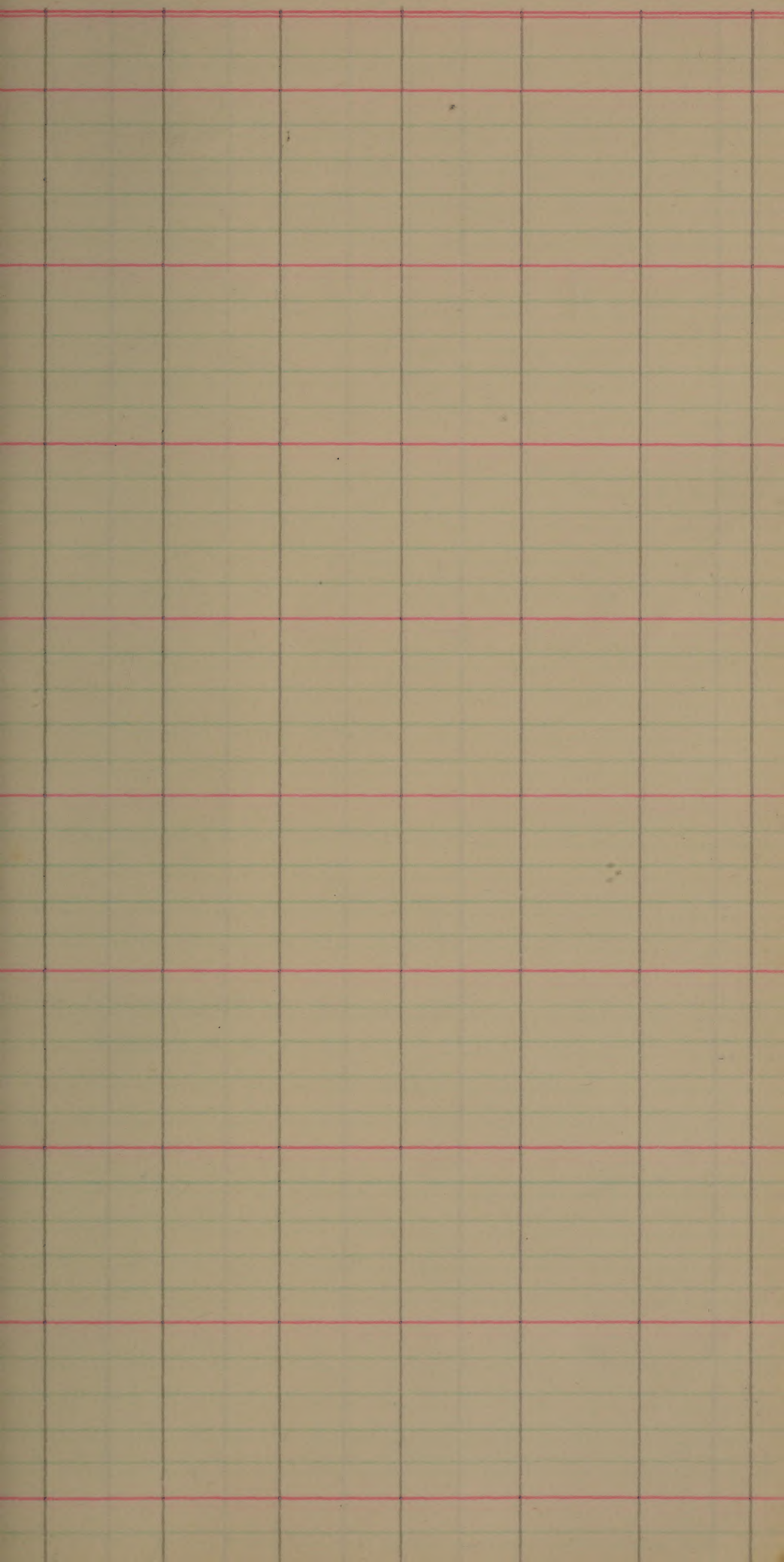
5796

5797

5798

5799

5800



F₁ Plants. Crosses

- 6001 451C, Bluebonnet x B3812A1-2-2 (164S-5309 x S-F)
off type Bluebonnet on 451C
1 plant, not a cross.
- 6002 451A " "
1 plant Is a cross
- 6003 451E " "
no plants
- 6004 451F " "
no plants
- 6005 452A Bluebonnet x S10609 (R-SBR)
no plants
- 6006 453A Bluebonnet x B4033A4-43 (4)
TP x R-7689
no plants
- 6007 453C " "
a cross, smooth hulls look o.k.
pr. apex
stream hulls
- 6008 453B " "
are S to C.

Parents

6101 ♀ Parent Bluebonnet

Purple apex Bluecount plants
Some segregation.

6102

H

. 11

Probably true breeding Bluebeard,
some difference in maturity

6103

11

31

Tall BB

6104

11

of 45/A Bluebonnet

6105-

11

Bluebonnet

6106

"

11

6107

11

11

20 not Blueberrut

20 within a mixture or segt.
has rough & smooth types.

8108

KxR Parent clean for 1/20,
no CO, gold hulls, non shell.

Crosses

6009	454A	Bluebonnet x B352A11-2-3-2	K x R
	2 plants pr straw straw hulls smooth	no shattering A few CO spots are present	
6010	454B	"	all from straw hulls, pr stems and tips S to CO (mod) pr apic, shattering upon shattering more so than K x R parent
	1 pl	a cross	
6011	454C	"	
	2 plants	a cross	
6012	454D	"	
6013	454E	"	
6014	455A	Bluebonnet x B403/A1-3-3,	TP x R-SBR.
	short straw green straw straw hulls pr tips, smooth		
6015	455B	"	
	1 - leaves died back badly, many tillers 2 - Antiquit to be O.K. 3 - Prob. not a cross		
6016	456A	Bluebonnet x B27/2A13-2.	S x R
	4 plants all crosses	all from pr straw hulls more so than K x R parent	

Parents

6109 ♀ Parent Bluebonnet

6110 " "

6111 B 4033 A4-43 (49)

OK

6112 ♀ Parent Bluebonnet

OK

6113 " "

OK

6114 " "

OK

6115 " "

6116 S-10609 R.SPR (48)

Crosses

- 6017 B456 B Bluebonnet x B3713A13-2-2
S x R
P & CO. *Lawson*
- 6018 B457A Bluebonnet x B347B40-9, R x A
straw hulls, v. green vegetation
R to C P, sturdy, short straw
1 plant
- 6019 B458A Hill Sel (B45-2253) x B3812A1-2-2
(B45-5709) x S-F
- 6020 B459A Hill Sel (B45-2253) x S10609 R-SBK
A1 9 crosses, more tillering, more vigor at later than P
A2 " "
A3 20 prob a cross, earlier than others
- 6021 B4510A Hill Sel (B45-2254) x Bluebonnet
A1
- 6022 B4511A Hill Sel (B45-2254) x B4031A1-3-3
(45-2136)
A1 20 most likely of being a cross T P x R-SBK
A2
A3
- 6023 B4512A Hill Sel (B45-2254) x Bluebonnet
A1
A2
A3
A4
- 6024 B4513A Hill Sel (B45-2254 x S10609, R-SBK
A1 gold, rough, med-gr ?
A2 straw, smooth looks like BBT ?

Parents

- 117 B403/A1-1-3 (54)
- 118 ♀ Parent Blue bonnet
- 119 ♀ Parent Hill Sel B45-2253)
- 120 " " "
- 121 " " B 45-2254
- 122 " " "
- 123 " " "
- 124 B37/3A13-2-2 (56)

Crosses

- 6025 B4514A Hill Sel (B45-2254) x B4033A4-30-2,
 (TP x R-7689)
 A1
 A2
 A3
 A4 Rough hulk, shaw full long (46)
- 6026 B4515A Hill Sel (B45-2253) x B347B40-9
 (R x N)
 A1 P
 A2 a cross
 A3 a cross
 A4
 A5
- 6027 B4516A Hill Sel (B45-2253) x B4033A4-3
 (TP x R-SBR)
 (2136)
 A1
 A2 Prob O.K.
- 6028 B4517A Hill Sel (B45-2253) x B4033A4-30-2
 (TP x R-7689)
 (2216)
 A1 Prob OK
 A2 ?
 A3 ?
 A4 ? } maybe
- 6029 B4519A B4033A4-38-1 x 510609 R-SBR
 (TP x R-7689)
 A1
 A2
 A3 } late are crosses
 A4
- 6030 B4520A " x B347B40-9
 A1 definitely a cross R x N
 A2 not a with R.N. Not Parent, most of cross
 Prob still a, shaw, mud g, propic, sin
 A3 definitely a cross
- 6031 B4521A " x B4033A4-43
 TP x R-7689
 A1 Not a cross
 gold, mud g, slender, rough hulk
- 6032 B4522A " x Bluebennet
 A1
 A2 all OK
 A3

Parents

6125	♀ Parent	Hill Sel B45-225
------	----------	------------------

6126	"	" B45-225
------	---	-----------

6127	"	" "
------	---	-----

6128	"	" "
------	---	-----

6129	"	B4033 A4-38-1
------	---	---------------

6130	"	"
------	---	---

6131	B347 B40-9, B46	
------	-----------------	--

6132	♀ Parent	B4033 A4-38-1
------	----------	---------------

Crosses

- 6033 B4523A B4033A4-38-1 x Rexoro
TP x R-7689
- 6034 B4524A " x B4031A1-3-3,
A1 a cross, very early plant TP x R-SBR
- 6035 B4525A " x B3812A1-2-2,
A1 A5 (1645-5309 x S-F)
A2 A6
A3 A7
A4 all crosses
early mat str rough green
- 6036 B4526A " x B4031A1-3-3,
A1 TP x R-SBR
A2
A3
A4
- 6037 B4527A " x Rexoro
A1 prob a cross
- 6038 B4528A1 " x SH-10609 (R-SBR)
2 } definitely crosses
3 } earlier than 2 parent
4 }
- 6039 B4529A " x B4033A4-43 (TP x R-7689)
A1 prob a cross
A2 definitely a cross, earlier
taller & many tillers
- 6040 B4530A " x Hill Medium
A1 V early
A2 V early
A3 a late plant, prob a cross?
less heavier str than parent

Parents

133 ♀ Parent

B4033A4 38-1

134

"

"

135

"

"

136

"

"

137

"

"

138

"

"

139

"

"

140

"

"

Crosses

6041	B4531A	B4033A4-38-1 TP x R-7689	x B347B40-9 R x N
	A1 mb plant prob OK. 2 cross 3 cross		
6042	B4532A	"	x B3812A1-2-2 1645-5309 x S-F
	all crosses { A1 2 hr early 3 4		
6043	B4533A	B3313A1-20 x R x 7689	B4033A4-38-1 TP x R-7689
6044	B4534A	"	x B4033A4-43- TP x R-7689
	A1 a cross considerable sterility		
6045	B4535A	"	x Bluebonnet (214)
	A1 a cross much sterility		
6046	B4536A	"	x Hill Medium
	A1 early, straw, smooth O.K.		
6047	B4537A	"	x S10609 (R-SBR)
	A1 OK, but much later than 36A & 38A		
6048	B4538A	"	x B4031A1-3-3 TP x R-SBR
	A1 v. early O.K.		

Parents

141 B4033A4-~~28~~³⁰-2 (2216)

142 ♀ Parent

B4033A4-38-1

1 plant is a Tall Cross. straw-hull
smooth long grs, earlier than Parent.

143 B4033A4-30-2 (2216)

144 Roxoro (112)

145 Hill Medium

146 B4033A4-38-1 (270)

147 B3313A1-20 (116)

148 Bluebonnet. (39)

Crosses

- 6049 B4539A B3813A1-20 x S10609 (R-SBR)
 Rx7689
 later than 34038A a cross
 A1 in memory stand R-SBR
 good conformation, v. little sterility, with short str
- 6050 B4540A " x Hill Medium
 A1
 A2 all v. early
 A3 O.K.
 A4
- 6051 B4541A " x B4033A4-38-1
 A1 TP x R-7689
 2 all O.K.
 3
- 6052 B4542A " x B4031A1-3-3
 A1 TP x R-SBR
 A2 all O.K. v. early
 A3
 A4
- 6053 B4543A " x B4033A4-43
 A1 AS TP x R-7689
 2 6
 3 all O.K.
 4 quite fertile
- 6054 B4544A1 " x B347B40-9
 a single plant, definitely a cross R x N.
 v. sturdy many stems, much better than others
 v. good
- 6055 B4545A Texas Patna-A x Hill Medium
 A1: fairly early a cross
 A2 late straw, smooth plant?
 Proba cross
- 6056 B4545B " x "
 B1
 a v late plant?

Parents

649 Hill Medium

650 ♀ Parent

B3313A1-20
R17689

651 "

"

652 Hill long (25)

653 ♀ Parent

B3313A1-20
R17689

654 "

"

655 B4033A4-38-1 (270)

656 Hill Medium

Crosses

6057	B4546A	B4033A4-38 T. Patna Sel A	x	B4037A4-3 (TP x R-7689)
6058	B4547A	"	x	B3812A1-2-2 (1645-5309 x S-F)
6059	B4548A1	"	x	"
	a cross			
6060	B4549A	"	x	B4033A4-38 (TP x R-7689)
6061	B4550A	"	x	B3313A1-20 R x 7689
	A1 a cross much sterility			
6062	B4552A	A1 2 3 4 5 6	"	"
6063	B4553A	"	x	B4033A4-38 TP x R-7689
	no plants			
6064	B4554A	Bruinmissie x CI 8325 (Sel. B42-2693)	x	(R-H)
	no plants			

Parents

6157 B3812A1-2-2 (33)
1645-5309X S-F

6158 Blue Rose (79)

6159 ♀ Parent T Patna Sel-A

6160 B4033A4-38-1 (270)

6161 B3313A1-20 (116)

6162 B4033A4-38-1 (270)

6163 T. Patna (113)
Sel A

6164 Bruin. Sel. 42-2693

6065 B4555A Bruin Sel x CI-8326
42-2693

A1

6066 B4556A " x B3715A6-5-4
(35)2A x SPK
Ruffled leaf.

A1

A2

A3

A4

6067 B4557A " x Blue Rose - 4/

no plants

6068 B4559A " x Blue Rose

A1

A2

6069 B4560A " x B3810A17-1-1
(S-EP x CA-Cdy)

A1 shatter, rough

6070 B4561A " x B43-2089
(Sm BK.)

A1

A2

A3

all smooth
Proh. Curves

6071 B4562A " x CI-8325
(K x H)

no plants

6072 B4564A " x Zenith

A1

A2

A3

A4

all pink

O.K.

165 ♀ Parent Bruin. Sel. 42-2693
 listed as 455A ♀, Prob 4555A ♀

166 ♀ Parent Bruin Sel 42-2693

167 " "

168 " "

169 " "

170 " "

171 CI 8325 (80)

172 Blue Rose (79)

Crosses

6073 B4565A Bruin Sel. x B376A 2-7-2
42-2693 (IBR-F x S)

no plants

6074 B4566A " x C43R 122
(CO-BR x S-F)

no plants

6075 B4567A " x CI-8326

A1 Possibly 2 plants A5
A2 (are all, only sl pulverulent)
A3 (but more so than sm/ell)
A4 Paint on tips.

6076 B4568A " x B3812A 1-2-2
(1645-S309 x S-F)

A1 all 5 plants Cassowary
A2 no slant much
A3
A4 (A1 has less NO than others)

6077 B4570A " x Zenith

no plants

6078 B4571A " x Zenith

A1 O.K.

6079 B4572A " x CI-8326

no plants

6080 B4573A " x B3812A 1-2-2
(1645-S309 x S-F)

A1
A2 O.K.
A3

Parents

173 ~~CI 83261 (77)~~ Bruin Sel.
 ♀ Parent

174 CI-8326-1 (77)

175 ♀ Parent Bruin Sel.

176 " "

177 Zenith (3)

178 ♀ Parent "

179 C43R122 (12)
 Co-BX S-F

180 B3715A6-5-4 (100)

6081 B4574A, Brain Sel x CI-8325
B42-2693

no plants

6082 B4575A " x B3715A6-5-4
(5512A x 5BR)

no plants

6083 B4576A " x B3812A1-2-2
(B645-5309 x S-F)

A1: 2nd cross but
not typical of
others of this
combination
possibly A1
as proliferation
is showing on
1st (5309
3rd)

6084 B4577A " x "

no plants

6085 B4578A " x "
A1 O.K.
A2

6086 ♂ Parent of cross B4566A
C43R122
CO-BR x S-F

6087 ♂ Parent of cross B4569A + B4573A
B3812A1-2-2
(1645-5309 x S-F) 76A; 77A + 78A

181 Blue Rose-4/ (78)

182 B3715A6-5-4 (100)

183 B376A2-7-2 (85)

184 ♀ Parent Bruin Sel

185 B4017A 21, (89)
Ark x BP41

186 ♂ of Cross B4561A
B43-2089

187

Sent to Adair F. seed

B454C1 (6011)

B459A2 (6020)

B4511A2 (6022)

B4512A3 (6023)

B4517A3 (6028)

B4519A1 (6029)

B4526A3 (6036)

B4540A2 (6050)

B4542A3 (6052)

1947 Seedling F2

6401	B4530A1	B4033A4-38	x	Heel mud	6040-1
6402	B4530A3	"	x	"	6040-3
6403					
6404					
6405					
6406					
6407	B4531A2	B4033A4-38-1	x	B347B40-9	6041-2
6408					
6409					
6410					
6411					
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6414					
6415					
6416					
6417					
6418					
6419	B4532A2	"	x	B8812A1-2-2	6042-2
6420					

Populations

53

042-2

B4532A2, B4033A4-3F-1 x B3812A1-2-2

6421

6422

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044

B4534A1, B3315A1-20 x B4033A443

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6440

6441 B4534A1 B4033A4.38A1 x B4033A4.43 6047

6442 B4530A9 " x Helms 6040

6443

6444 B4535A1 6045

6445 B3313A1-20 x Bluebonnet

6446

6447

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6456

6457 B4536A1 " x Helms 6046

6458

6459

6460

The first 4 early sets
are outstanding for
standard relatively short
plants, much more

046	B4536A1	6461
	B3313A1-20 x Heilmann	6462
		6463
		6464
		6465
		6466
		6467
047	B4537A1	6468
	B3313A1-20 x S10609 (R-SRR)	6469
		6470
		6471
		6472

6501 B4537A1 6047

6502 B3313A1-20 x 541-10609 (R-SBR)

6503

6504

6505

6506

6507 B4538A1 6048

6508 B3313A1-20 x B4031A1-3-3

6509

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6520

048		6521
		6522
049	B4539A1 B3313A1-20 x 541-10609 (R-SBK)	6523
		6524
		6525
		6526
		6527
		6528
		6529
		6530
		6531
		6532
		6533
		6534
050-3	B4540A3, B3313A1-20 x Hill med.	6535
		6536
		6537
		6538
050-4	"	6539
		6540

6541 B4540A4 6050-4

6542

6543 B4541A1 6051-1

6544 B3313A1-20 x B4033A4-38-1

6545

6546

6547

6548

6549

6550

6551

6552

6553 " 6051-2

6554

6555

6556

6557

6558 " 6051-3

6559 B4542A1 6052-1

6560 B3313A1-20 x B4031A1-3-3

6052-1, B4542A1 6561

B3313A1-20 x B4031A1-3-3 6562

6563

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6052-2, B4542A2 " 6565

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6052-3

- 6601 B4544A1 6054
6602 B3313A1-20 x B347B40-9
6603
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6608
6609
6610
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6612
6613 B4545A1 6055-1
6614 T Patna x Hill Medium
6615
6616
6617 B4545A2 6055 rogu
6618 Roque Crane
6619
6620

6059 B4548A1

T. Patua x B3812A1-2-2

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6632

062 B4552A1

T. Patua x B3313A1-20

6633

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6638

065 B4555A1

Brunn Sel x CI 8326

6639

6640

6641 B4555A1 6065

6642 Brun Sel x CT8326

6643

6644

6645

6646 B4559A1 6068-

6647 Brun Sel x Blue Rose

6648

6649

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6651

6652 B4559A2 " 6068-2

6653

6654

6655

6656

6657

6658 B4564A2 6072-2

6659 Brun Sel x Zenith

6660

6072-2 B4564A2

Bruni hil x Jennitt

6661

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6072-3 B4564A3

"

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6701 B4564A3, Bruin del x Zwart 6072-

6702 B4567A1 6075

6703 Bruin del x CI 8326

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6712

6713

6714 B4569A1 6076-

6715 Bruin del x B3812A1-2-2

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6718 B4569A2 11 6076-2

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6076-2, B4569A2

Bruni Hil x B5812A1-2-2

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083 B4576A1.

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1947 Bulk-hybrid Populations
3 row plots

- 501 Short Grain x Med-Grain
good BK gr. color, prob. no taller than BK
- 502 Long Grain x Med-Grain
are quite tall, much taller + many
later than 501
- 503 C.O. Resistant BR Rogues (1940 Bulk)
many tall + later than BK
- 504 B321A, Rexoro x Delitus
wide range of maturity + types
- 505 B322A Rexoro x Fortuna
becoming quite uniform
- 506 B323A, Rexoro x S.B. Rose
quite short + uniform (Smooth Segreg)
uniform,
- 507 B323A, Rex x SBR (Rough Segregates)
much earlier tall than 506, no values
- 508 B341A, CA x F
V. good types present

509 B343A1, N x K
Only fair, many latic

510 B344A1, CA x K
fairly early, uniform

511 B346A1, S x N

512 B347A1, R x N
v. late types have disappeared
also for long as type made

513 B348A1, CA x N
St. types have disappeared, also smooths
possibly a few smooths remain

514 B3411A2, S x CA

515 B3412A2, CA x R

516 B379A, (K-H x SP-SJ)

3 row plots

517 B3715A (Bulk) F₁ 3512A x SBR

518 B3715A38, F₁ 3512A x SBR

519 Hyb Mix #1 ~~F₁ Co-Cub~~ ~~♀~~
Co-Cubensis Cross

520 B3747A CI4700 x Rex

521 B3781A, Rex x CI-81C

522 B381C, BR x Zenth (Calif 1941)

523 B383A2, BR x ~~BR~~ CI-4440

↓

524 Hyb Mix #1, (SP-SJ x SBR) x Medgr

↑

525 B396A4, SP-SJ x R-D

526 Hyb Mix #2, SP-SJ x ~~Med 91~~ ^{Med 91}

527 B399A, SP-SJ x BR41

528 Hyb Mix #3, S-EP x CA-Cdy

529 Hyb Mix #5 $\left\{ \begin{array}{l} D-R, Cdy-BR \\ \times (CA-Cdy \times CH-BR) \end{array} \right.$ x F-BR

530 B4014A, BR41 x BR

Missing

531 (B4015A + B4016A Bulk (K-BR x BR41)
Hyb Mix #6

Missing

532 B4017A1, Ark x BR41

Missing

3 row plots

533 B4019A SP x K-BR
missing

534 Hyb Mix - #7, TP and R-D x R-7689

New Block starts

535 Hyb. Mix #8, TP+R x R-SBR

536 Hyb Mix #9, TP+R x Long Slender

537 B4035A1+2, TP x R

538 Hyb Mix #10, TP+R x R-D

539 B324A, R x CI-5097

540 B3313A, R x CI-7689

- 541 B4045A, R-SBR x BR41 (Smooths)
 a number long sl. types present
 appear CO resistant, check growth next year
- 542 B4045A, " (Roughs)
 a number of glat sls present
 some very good looking, short-gr. types present
 mostly rough, a few smooths
- 543 B4046A, IBR-F x BR41
- 544 B4047A, CO-BR x BR41
- 545 Shoemed x Kameji (Crowley 1941)
- 546 B323 B39-13 Rogue
- 547 B423A, BR41-EP x K-7143
- 548 ^{Early} Short grain Bulk (5548 x Gunki + Si Beniya)

3 row plots

549 Late Short Grain Bulk (5548xAsahi+679

550 B4117A (Bulk), BR41-8323 x E-BR

551 B42-10, ~~B42~~ Rogue

552 B3313 A1-20, Rogues

553 B426A1,

554 B427A8,

555 B429A1,

556 B4211A1,

557 B4215A1,

558. ~~P~~ Rough Rx SBR Seb.
(541-10609)

559 Lengths from Rx SBR (541-10609)
1946 rows 4765 to 4875.

560 Bulk of crosses (412A5 x 8326
1946 rows 3201 to 3393 " x 3715A36-L
" x BR41-EP)

561 Bulk of B432A (F₃ lines) B41-3294XR.
1946 rows 5152 to 5334

562 Bulk of B438A (F₃ lines) B412A5-5 x 8326
1946 rows - 3139 to 3293

563 Bulk of B4310A (F₃ lines) 1946 rows 3294-3393
B412A5-8 x BR41-EP

564 Bulk of B4311A (Early F₃ lines) P
may be 4310 A Early lines

3 row plots

- 3 row plots
- 565 Bulk of 4311A3 early F₃ lines (1946 rows 5587-5832)
B 4112A5-8 x 8323-2
- 566 Bulk of 4312A late F₃ lines (1946 rows 3476-3547)
- 567 Bulk of 4313A late F₃ lines (1946 rows 3548-3629)
- 568 Bulk of 4323A F₃ lines (1946 rows 3904-3975)
-
- 569 Bulk of 4325A F₃ lines (1946 rows 3976-4034)
- 5 row plots
- 570 Bulk of 433A F₃ lines (1946 rows 5335-5407)
- 571 Bulk of 4356A early F₃ lines (1946 rows 5649-92)
- 572 Bulk of 4356A late F₃ lines (1946 rows 4094-4126)

6 row plots

573 Bulk of 432/A F3 line (^{1946 rows} 3832-3903)

574 Early Composite Plot
12 rows

cut
up
in
pieces

575 Late Composite plot
12 rows

cut
up
in
pieces

576 CO resistant Bluebonnet
from PI - 15 rows

below 573

577 CO resistant Bluebonnet
from PI - 12 rows
Hd rows of this seed in Breeding nursery

578 Bluebonnet seed from PI
15 rows

579 Bluebonnet seed from PI
6 rows

followed by 574 and
575

12 rows of each.

Increase Plantings (Nursery Area)

North East Corner.

1234 head rows 12 feet long
of B403/A1-3-3

followed on east by several rows
R-SBR increase 541-10609

Center series (just south of above
and just north of Bulk by)

B403/A1-1-1-2, TPxR-SBR

9 rows on South block

12 rows on North block

Same as plot 219 in yield nurs.

Same as rows 2546 to 2557 in Br Nurs.

B403/A1-1-4-4, TPxR-SBR (Same as #32)

12 rows at south - 6 rows at north

B403/A1-20-2, TPxR-SBR (Same as #34)

6 rows at south - 9 rows at north

B403/A1-1-4-5, TPxR-SBR (2nd field plots #23)

30 rows.

B403/A1-1-3, TPxR-SBR (Same as #31)

South 3 rows 46-4894 - North 3 rows 46-4893

" " " 46-4896 - " " " 46-4895

followed by R-SBR (541-10609 increase)

3 48-4896 prob best looking, sl shorter grain & better straw
" - 4894 longest grain, may be preferred.

Increase on R-N field

North end Starting on west side + going east.

B4033A4-38-1-1, TPR-769 (9 rows)

B4033A4-38-1-2, " 9 rows

-3, " 9 rows

-4 " 3 rows

-5 " 6 rows

-6 " 12 rows

-7 " 9 rows

-8 " 9 rows

B4033A4-38-1-9, TP/R-7689 (12 rows)

-10 " 12 rows

-11 " 9 rows

-12 " 9 rows

-13 " 12 rows

-14 " 6 rows

-15 " 6 rows

-16 " 15 rows

B4033A4-38-1-17, TPxR-7689 (12 rows)

-18, " 9 rows.

B4033A4-38-1 to 18 bulk " 18 rows

Texas Patna Sel A 6 rows

B4033A4-38-1, TPxR-7689 3 rows
Treated with Arsan (1946 Plot 73)

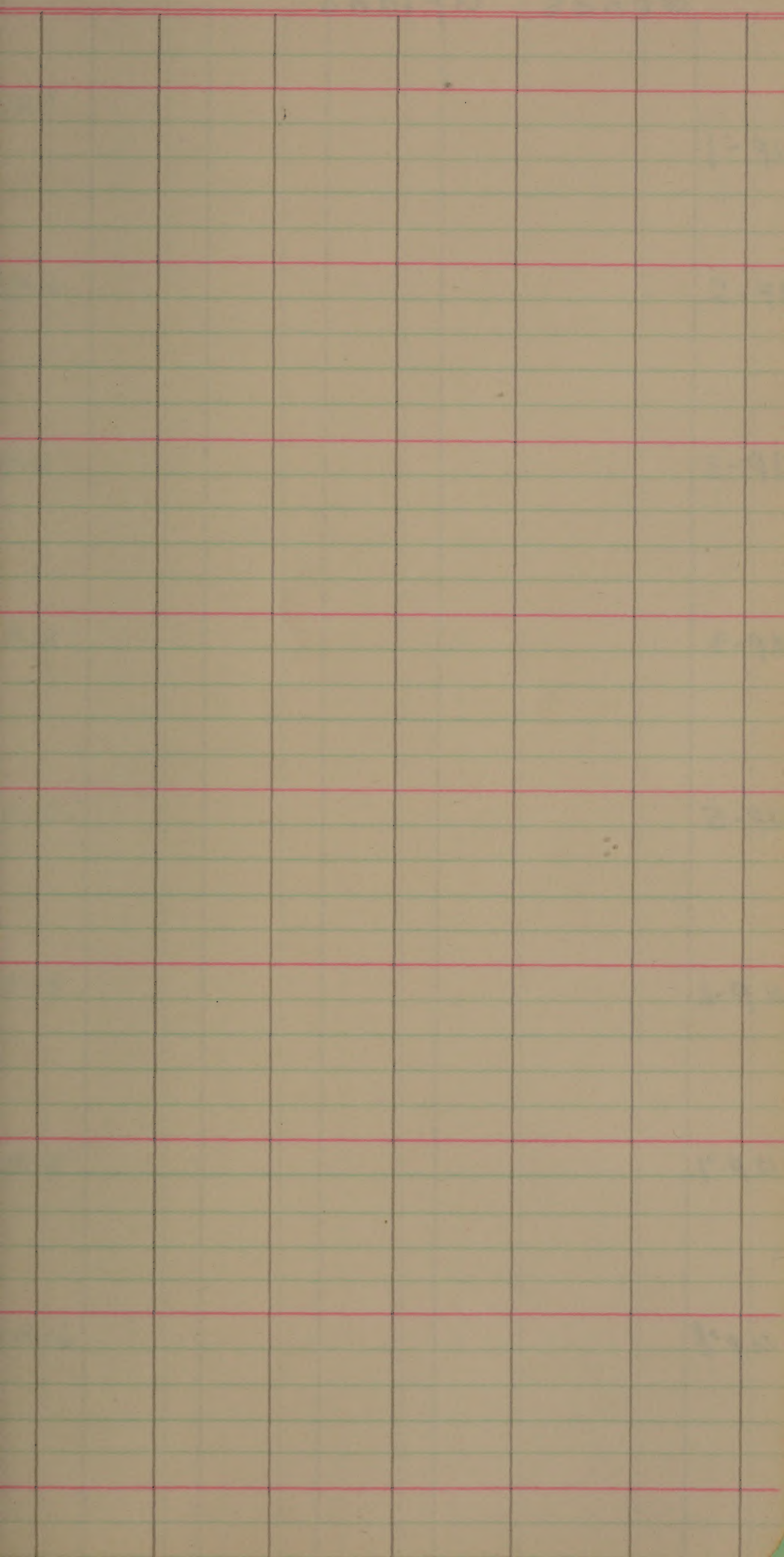
B4033A4-38-1, " from field plots
rows

Hydr Mix-10-44-40, TPxRx R-D (6 rows)
1946 rows 2341 to 2348

Hyb mix 10-44-40, TP+R+R-D
1946 plot 93 = 9 rows

B4033A4-38-1 field plot seed
24 rows

along south end running east +
west a strip of
B4033A4-38-1 from
field plots.



Jones Upland

up-1

up-2

up-3

up-4

up-5

up-6

up-7

up-8

4P-9

4P-10

4P-11

4P-12

4P-13

4P-14

4P-15

4P-16

UP-17

UP-18

UP-19

UP-20

UP-21

UP-22

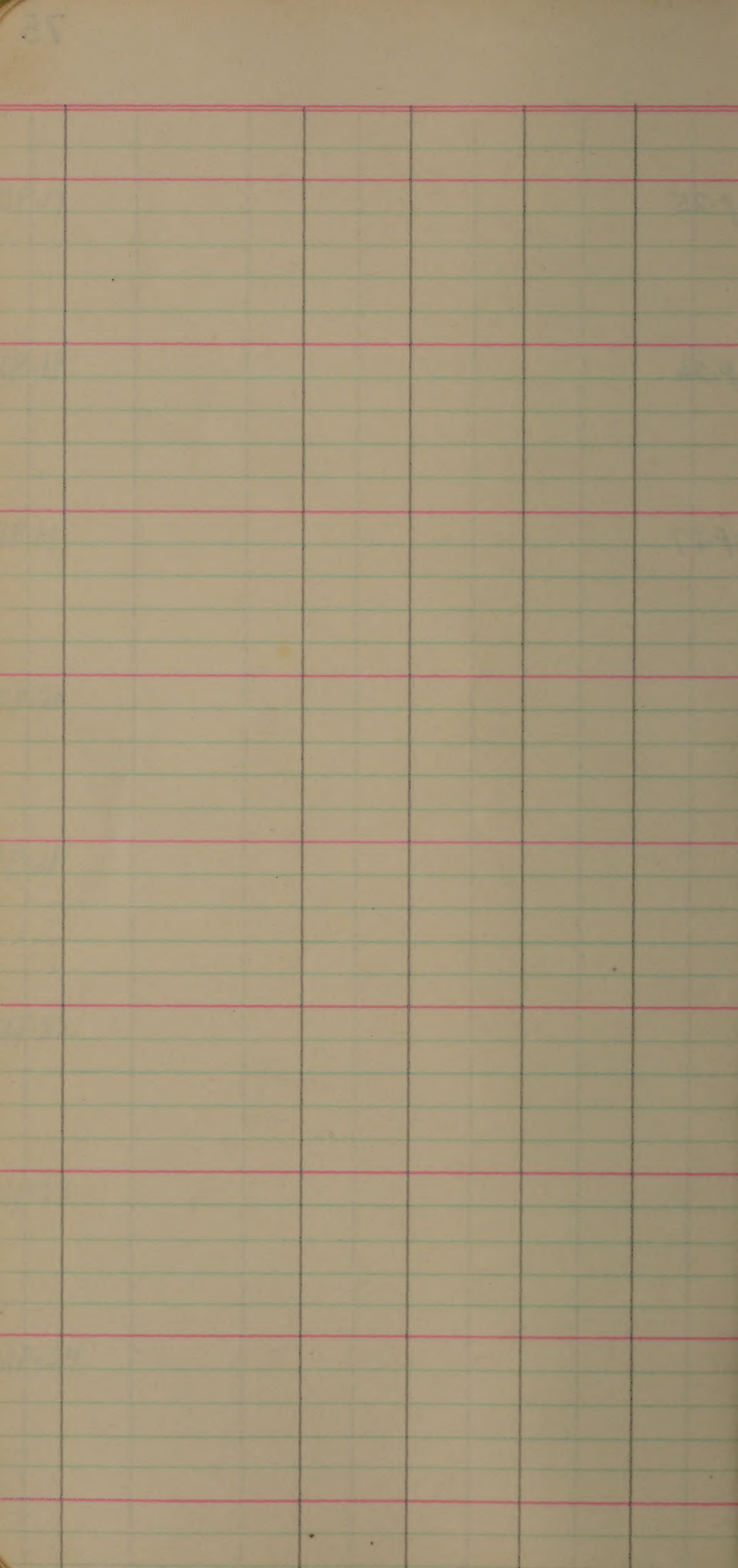
UP-23

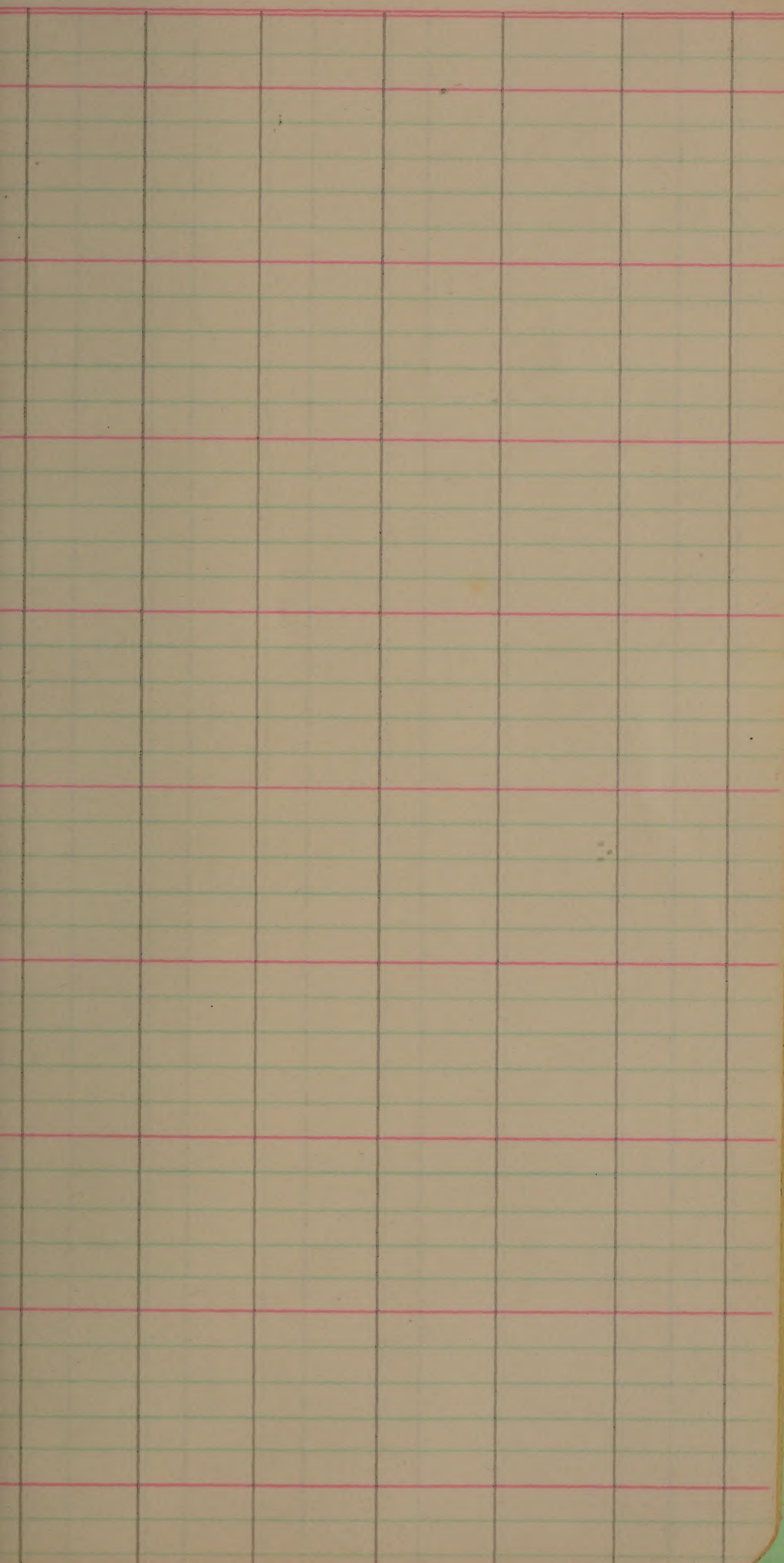
UP-24

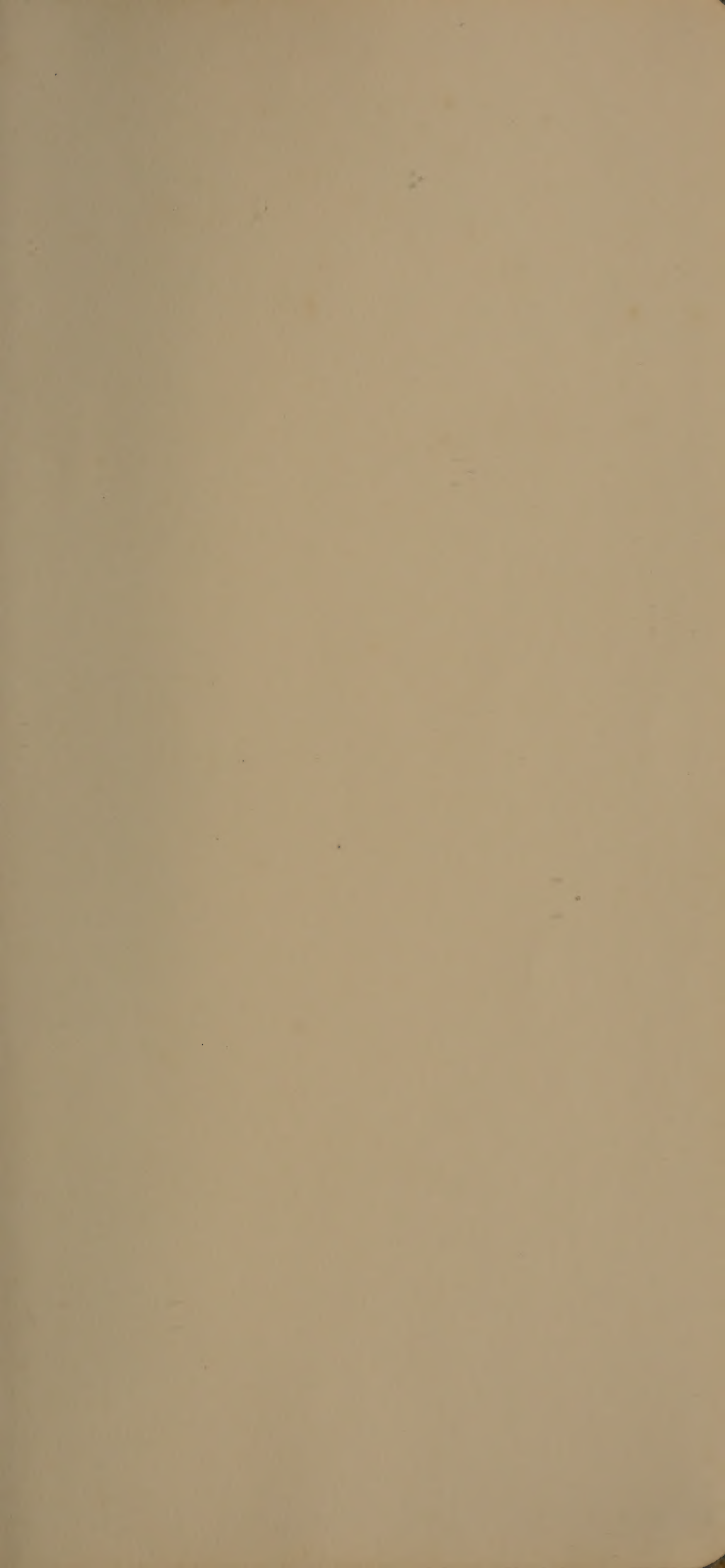
4p-25

4p-26

4p-27







16 new plots

2 composite "

57

Bulk Hybrid

75 plots

300

6 "

150

450 feet

F₁₂ 71 envelopes
20 rows each

1420 rows

1947
Late nursery

$$858 + 3 \text{ --- } 43 \text{ ch} = 904$$

Mid lang

226

362

198

786

$$\text{--- } 40 \text{ ch} = 826$$

Early

892

$$\text{--- } 45 \text{ ch} = 937$$

2,667

1947 Material in this Book

F₂ Populations --- Page 53

Bulk Hybrids ----- 65

Increases

Watts Block - - - - - 70

R-N field - - - - - 71

Jones Upland - - - - - 74

Misc - - - - - 76

1946

UNITED STATES
DEPARTMENT OF AGRICULTURE

FIELD NOTES

BUREAU OF PLANT INDUSTRY
DIVISION OF COTTON AND OTHER FIBER CROPS
AND DISEASES

Smigley

3
X
X
X

SUGGESTIONS CONCERNING FIELD DATA AND NOTES

DIVISION OF COTTON AND OTHER FIBER CROPS AND DISEASES

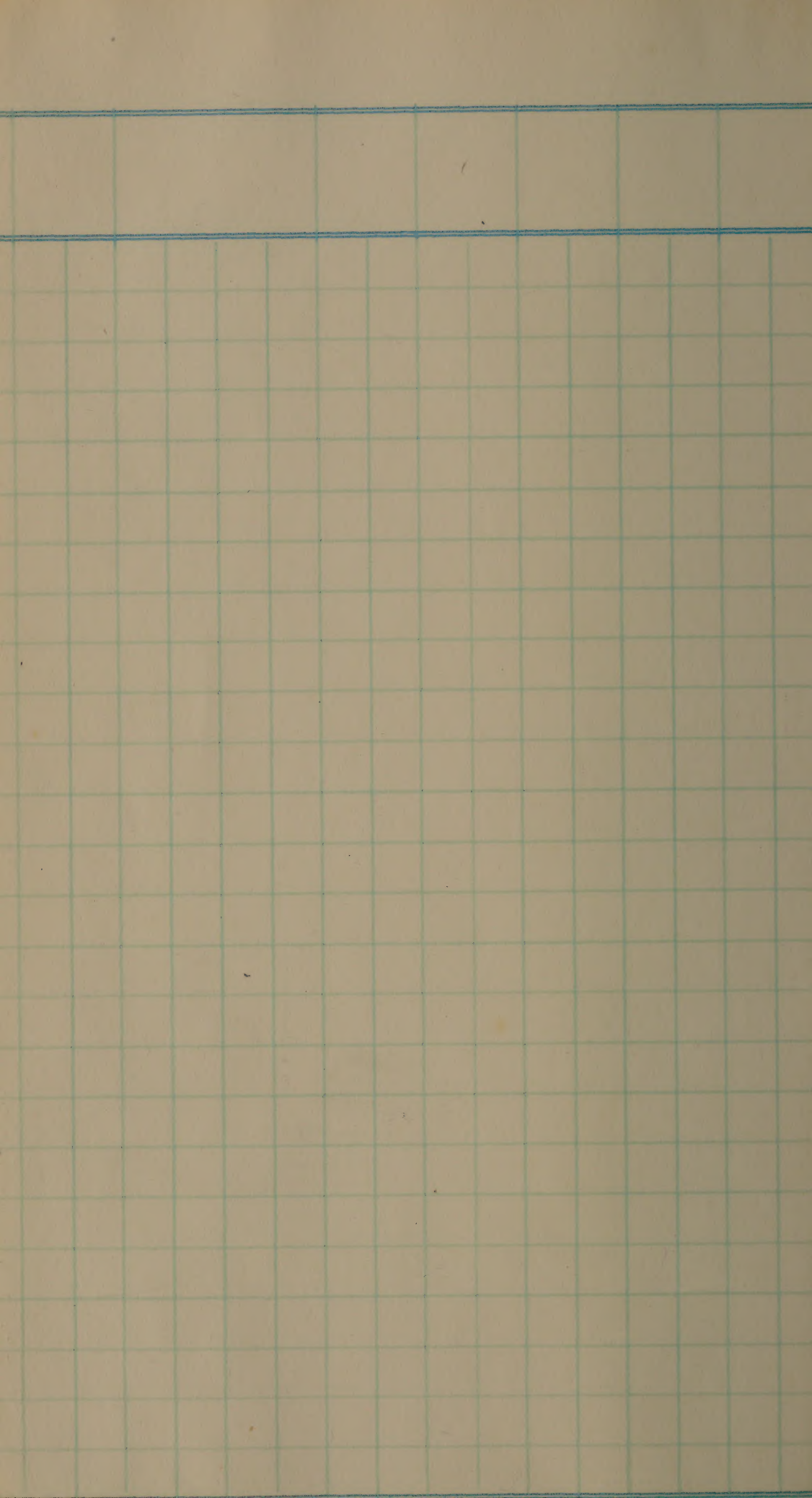
It is suggested that the following general information be recorded for each field experiment:

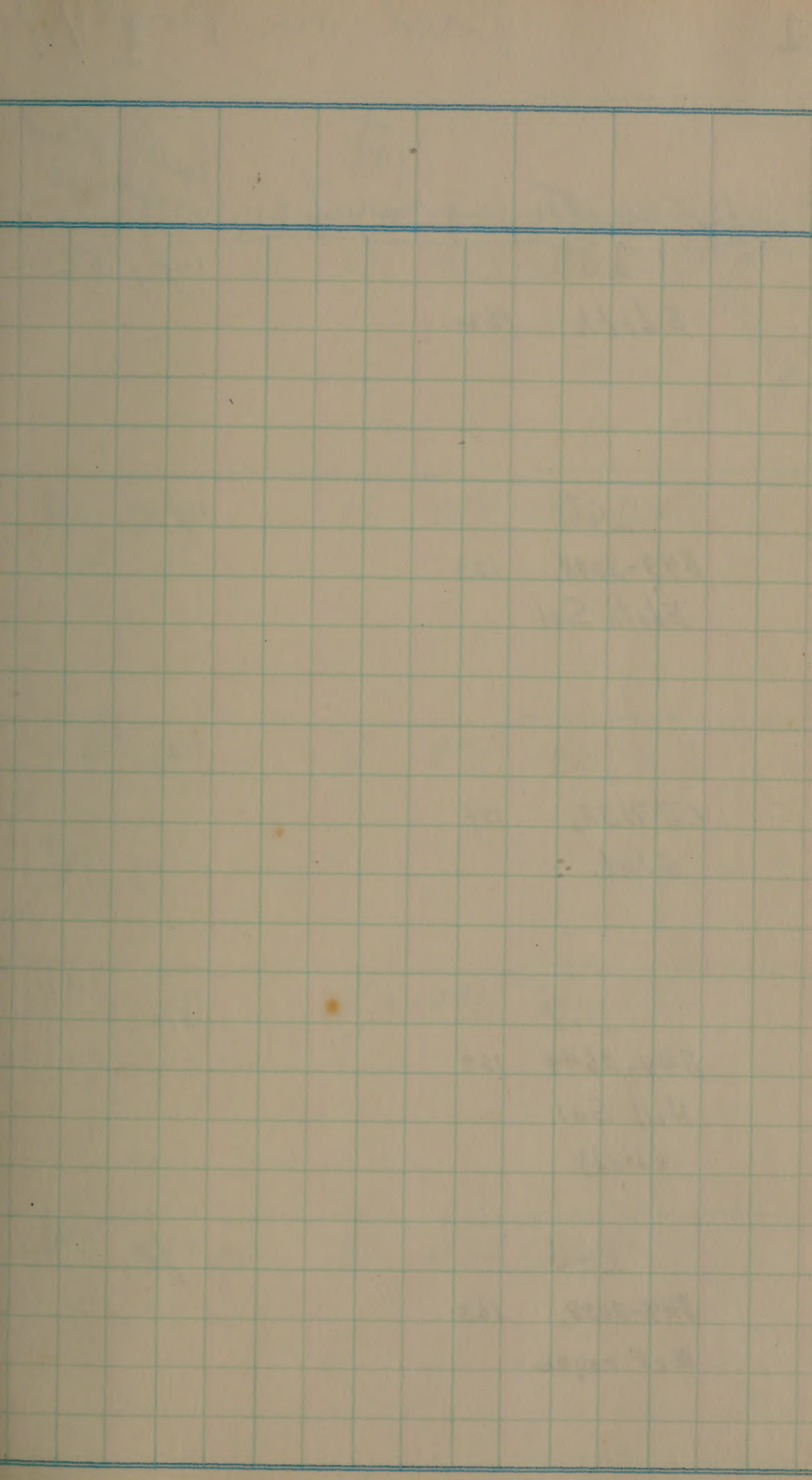
1. Name of experiment or study.
2. Soil type.
3. Previous crops and fertilizers (2 years).
4. Preparation of land: (a) Methods (b) Dates
5. Size of plot:
 - (a) Area in square feet
 - (b) Number of rows
 - (c) Length of rows
 - (d) Width of rows
6. Fertilizer:
 - (a) Pounds per acre
 - (b) Analysis (N-P-K)
 - (c) Time of application
 - (d) Method of application
 - (e) Side dressings
7. Planting: (a) Date (b) Rate (c) Method
8. Thinning: (a) Date (b) Method (c) Approximate optimum spacing attempted
9. Cultivation: (a) Implements used (b) Dates
10. Dates at which all notes and samples are taken.
11. Dates of pickings.

The following suggestions are made in regard to recording data:

1. Record all dates as figures, giving the month and day of month, as 5/16 (May 16).
2. Record all field weights in pounds and decimal fractions of pounds. The requisite accuracy depends somewhat on the size of sample, but for ordinary size plots 0.1 pounds is usually satisfactory. It is suggested that small samples be weighed more accurately (0.01 pound).
3. Estimations, such as seedling vigor, shedding, color, etc., may be recorded either numerically or with letter designations, as is found convenient; for example (seedling vigor), 1=Excellent, 2=Good, 3=Medium, 4=Fair, and 5=Poor; or E=Excellent, G=Good, M=Medium, F=Fair, and P=Poor. An explanation of legends should be recorded for each variable and experiment.
4. Diseases and insect pests:
 - (a) GENERAL.—Attack by diseases or insect pests should be recorded by suitable legends to indicate type of disease or pest, percent of plants killed or affected, and in serious attacks, estimating crop loss. For example, FW *5/35-7 (Footnote * Fusarium wilt 5 percent plants killed, 35 percent affected, 7 percent loss estimated).
 - (b) SPECIAL.—Where the book is used for taking notes on regional field tests on disease resistance, treatments, etc., it is suggested that directions which are furnished for taking uniform data be pasted, or copied, in the front of the book.
5. Diagram, to scale, the block on which each experiment is conducted, showing visible soil differences, variable plant response attributable to soil differences, drainage, or unequal irrigation, slope of land or contours, and any other features which may materially assist in interpreting the results. The square ruled paper in the front of the book may be found useful for this purpose.
6. Explain clearly all legends used.
7. Identify all experiments as to location on blocks and YEAR.

For types of experiments for which this book does not provide ample page space, larger sheets should be utilized. In taking data, which are to be reported in this book, or on larger sheets especially provided, the field or laboratory determination should be written directly, at the time of weighing or otherwise determining, and submitted to Washington, or filed as the permanent record. Avoid all possible transcribing or typing of raw data.





Early maturing varieties; ^{1st} Fall plant
 up ^{1st} 10/4 50
 cut ground

139

Edith 152

140

B43-2098, 153
Edith Sel

10/5 53

141

CI-7132, 144
Glut.

10/5 55

142

B44-2649 159
Hill Sel.
(Med)

10/10 40

143

B44-2058, 163
W x F roque

10/8 48

CO

S 463

Taller
than Edith
w. good growth

M 380

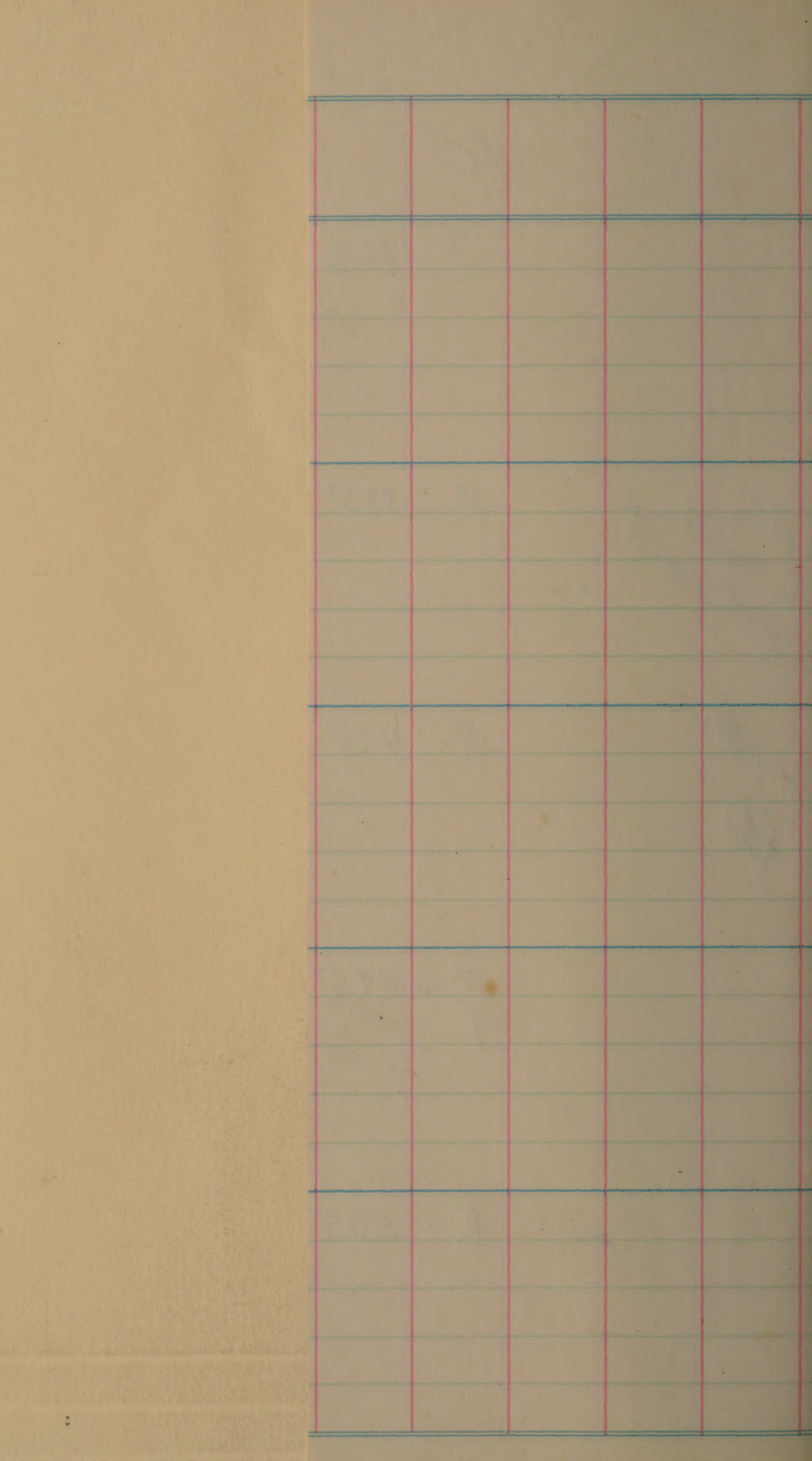
Very little
HO

R 438

R or 495
T

good but
Tail,

R 535



$\div 45 \angle \times 16$
61.3 2778

51.3 2328

58.4 2628

66.0 2970

78.0 3210

144

10/6 45

B411A3-12-15, 165

8323 x Z

145

10/7 48

B411A3-36-1, 166

8323 x Z

146

10/5 44

B43-2113, 167

8323 to 942

147

10/8 44

B423B45-5, 2005

BR41-EPxR-7143

148

10/23 45

B403/A1-1-1-2 5276

TPxR-SBR

Cust
guard

dris back
feather than
145

CO

S 444

Very green
straw
good
very good

T 472

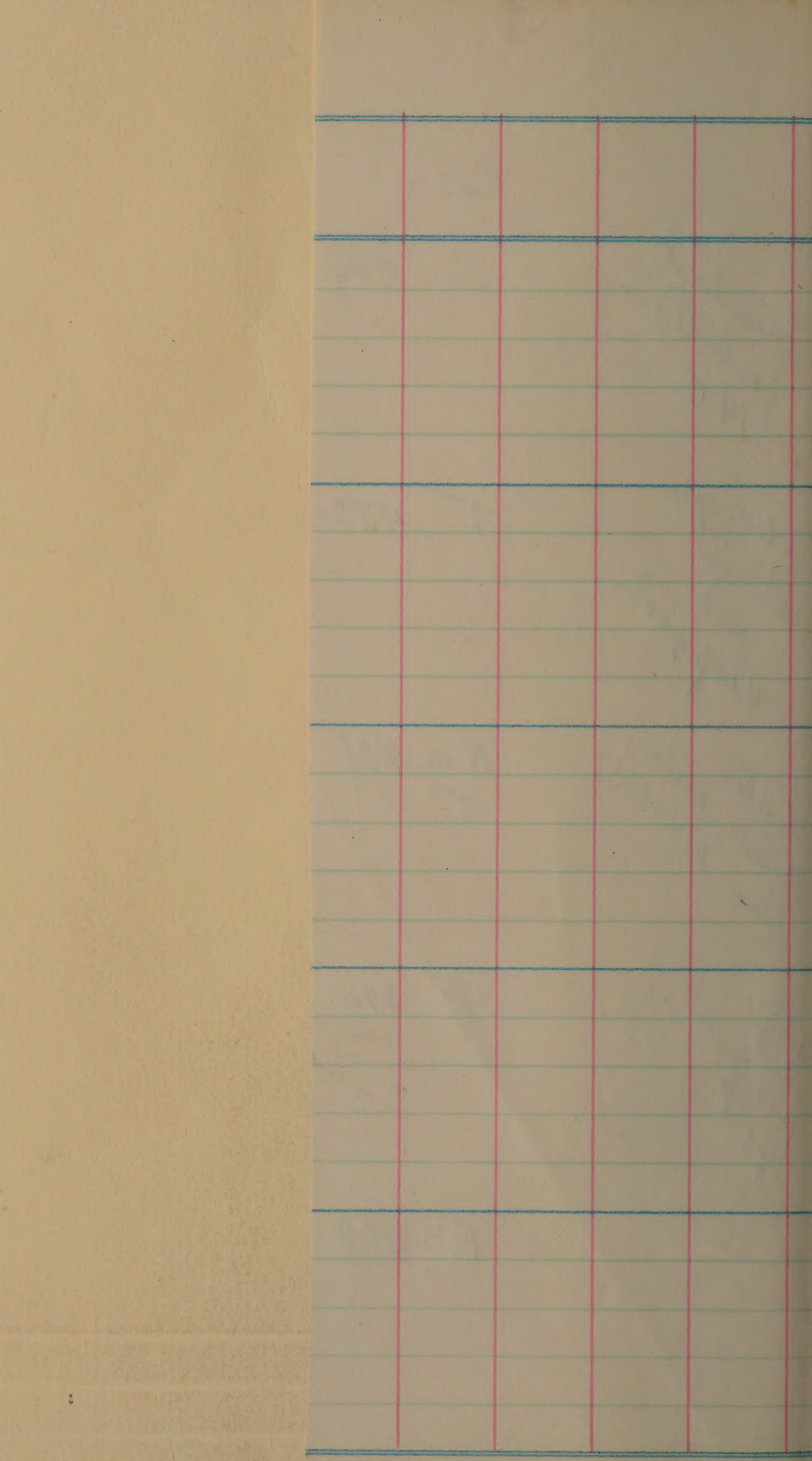
Shorter earlier
straw 144 145
than

R or 481
T

Self
clut
pos grain
yell.

R 290

R 488



59.2 2664

62.9 2832

64.1 2886

38.9 1740

65.1 2928

149

10/23 43

B403/A1-1-1-4, 5278

TPxR-SBR

150

10/4 39

B403/A1-1-8, 2/23

TPxR-SBR

151

10/24 39

B403/A1-1-8-2, 5289

TPxR-SBR

152

10/21 39

B403/A1-1-8-3, 5290

TPxR-SBR

153

10/10 40

B403/A1-1-4-4, 5297

TPxR-SBR.

CO

R 521

shot
early

R 392

R 330

R 373

R 387

much earlier than any other
long sl. gran. sel. earlier
than Ep & Smith + Hill mts

appears to be the best early
long sl. sel. in group.

69.5 3126

52.2 2352

44.0 1980

49.7 2238

51.6 2322

Jull

154

10/22 41

B403/A1-1-5, 2125

TPx R-SBR

155

10/25 42

B403/A1-8-3, 201

TPx R-SBR

156 ✓

10/22 44

B403/A1-1-11, 2131

TPx R-SBR

157 ✓

10/13 46

B403/A1-16-2, 2145

TPx R-SBR

158 ✓

10/14 43

B403/A1-20-21, 2152

TPx R-SBR

cut
guard

CO

R 439

Some rat damage ~~R 366~~

Some loss to rob ~~R 410~~

Lodged
body
very dry on 10/29

S 479

Standby
until on 10/29

S 377

Wagner St.

58.5 2634

48.8 2196

54.6 2460

63.8 2874

52.6 2262

159 ✓

B4031A1-20-2.4, 2155

TPxR-SBR

~~10/9~~ 10/22 39

160 ✓

B4031A1-20-2.3, 2156

TPxR-SBR

10/14 40

161 ✓

B4031A1-23-3, 53

TPxR-SBR

10/14 44

162 ✓

B423B44-6, 2006

BR41-EPxK-7143

~~10/9~~ 10/20

163 ✓

B3810B44-18, 2047

S-EPxCA-Cdy

10/7

CO

Plaster
58

R 307

R 394

island
rocks
tall

S 332

R 517
3

R 317

Irregular set

40.9 1842

52.5 2364

44.3 1992

68.9 3102

42.3 1902

164 ✓

10/7 41

B3810A17-1-1, 2062

(Sel.)

S-EPx CA-Cdy

165 ✓

42

B4044A3-1-1, 214

R-SBRx BR

166

10/10 42 ✓

B4044A3-4-2, 215

R-SBRx BR

167

10/13 42 ✓

B4044A3-5-2, 2098

R-SBRx BR

168

10/13 42 ✓

B4045B44-2, 2106

R-SBRx BR41

Co

R 322

1

R 315

its look
and too fast

R 386

R 315

R 321

Excellent BK grain type
about as early as EP

Too much stubble in heads

Very good mid gr type
a few days later than 166, had
better straw than 166

42.9/1932

42.0/890

51.5/2316

42.0/890

42.8/1926

169

10/10 45

B4045A1-2-3, 2113

R-SBRxBR41

170

10/14 45

B4045A1-4-1, 216

R-SBRxBR41

171

10/13 46

B4045A1-4-1-1, 2116

R-SBRxBR41

172

10/13 43

B4045A1-4-2, 217

R-SBRxBR41

173

10/10 45

Shoemed 208

CO

331

long grain
type

S 328

long grain
type

S 392

med gr.
like full med
talker show

S 320

R 346

a very good straw build
type, med grain.

long, sh. grain type
irregular let.
segs. grain length

similar to 170

shorter straw than others

44.1 1986

43.7 1968

-52.32352

42.3 1920

46.1 2076

174

CI-8323 8

10/6 38

175

Edith Roque

B31C45V623

Crowley
Sta.

10/5 50

LATE MATURING Var
Late Group

176

B325A2-14 257
R x BR

10/4

38

177

B352A1-49 115
K x R

10/4

44

178

B352A1-88-2-2/114
K x R

10/4

43

Co

S 356

too tall

R 384

less:

excellent type
medium grain
sturdy straw

R 400

upright
straw type

R 347

downy
top straw
type

R 470

47.5 2136

51.2 2304

53.3 2400

46.3 2082

63.6 2820

cut
guard

179

B3412B 41-1,
CAxR

266

~~10/1~~

10/22 41

180

B44-5067

CAxR

267

etc

~~9/27~~

10/13 39

add
grove
at Bay

181

B4032A3-32

271

TPxR-D

~~10/7~~

11/3

182

B4032A3-33-1

272

TPxR-D

~~10/4~~

10/22 41

183

B4030A3-28,

R-7689xTP

273

~~10/4~~

11/3

in green
strawed, straw
bulb, ripened
much earlier
than TP

erect panicle
type
small seeded

CO

R 304

R 367
few S.

S 314

S 412

R 342

Sh to mid. 91
type

Highly
Stimulated

45.3 1824

48.9 2202

41.8 1884

34.9 2472

45.6 2052

184

10/5 ~~10/14~~

B4030A3-29

274

R-7689xTP

185

10/15

Rexoro

112

186

S4SV115,
Rexoro, Sel.

Stutt

Seps
Lone very early type

187

10/8

10/9

B4035A2-4,

278

TPxR

188

10/8

10/9

B4035A2-13,

280

TPxR

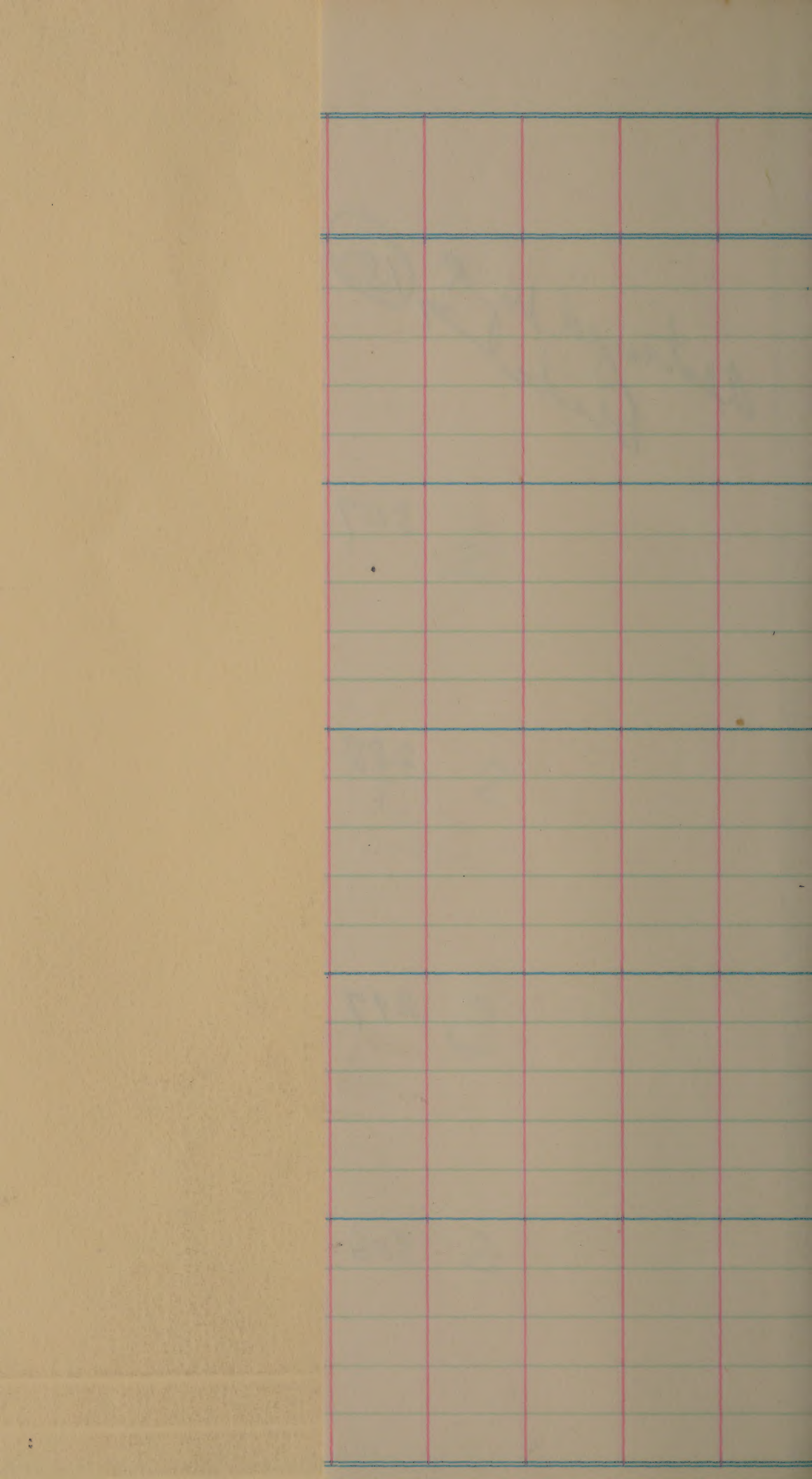
destroyed by R
birds → (180)

S 307

S 288

S 297

S 306



24.0 1080

40.9 1842

38.4 1728

39.6 1782

40.8 1836

189

Texas Patna

282

Sel-B

10/7

~~10/14~~

11/10

190

S4SV116

Texas Patna

Sel.

Stott

10/20
 some very early
 types

11/10

191

Texas Patna

283

Sel-C

10/10

~~10/20~~

11/10

192

B44-2981

Strow T. Pat.

285

10/1
 some very early

193

B45-2243,

JP type (unkn.)

2243

10/2

~~10/20~~

cut guard
 are P. Pat.

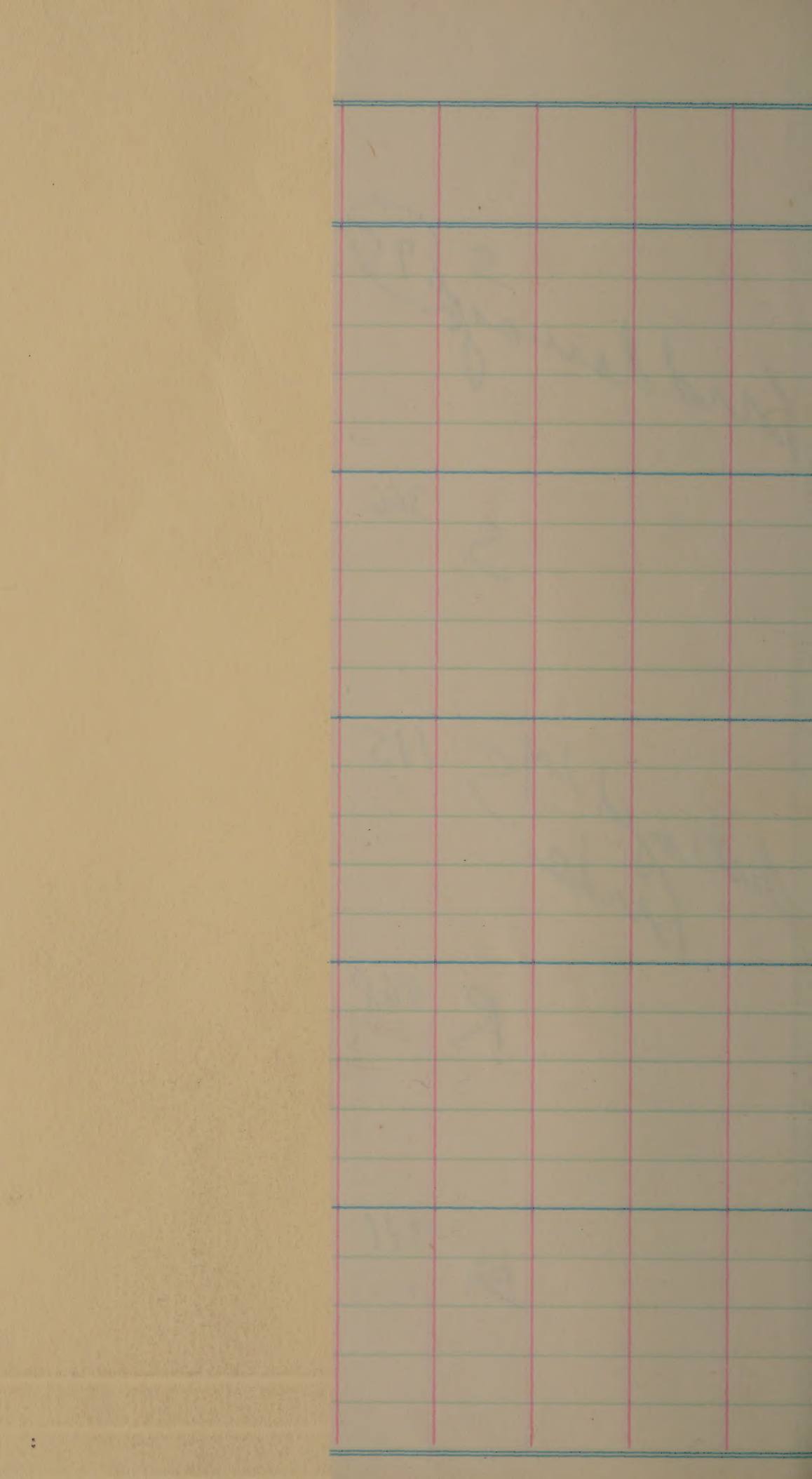
Bird damage S 95

S 366

destroyed by S 115
Birds

R 468

S 311



12.6 590

48.6 2196

15.3 690

62.4 2808

41.5 1866

194

10/6

~~10/3~~

11/8

Hyb Mix -

4217

9-44-43

TP and R x Long Sl.

195

10/4

~~10/2~~

11/8

84030A 3-13,

4029

R. 7689 x TP

196

10/4

~~10/3~~

11/8

84031A 1-1-4-6,

5302

TP x R-SBR

197

9/28

~~10/3~~

84031A 1-1-8

2128

TP x R-SBR

198

10/1

~~10/2~~

84031A 1-7-2,

2177

TP x R-SBR

	S	360
(M)		

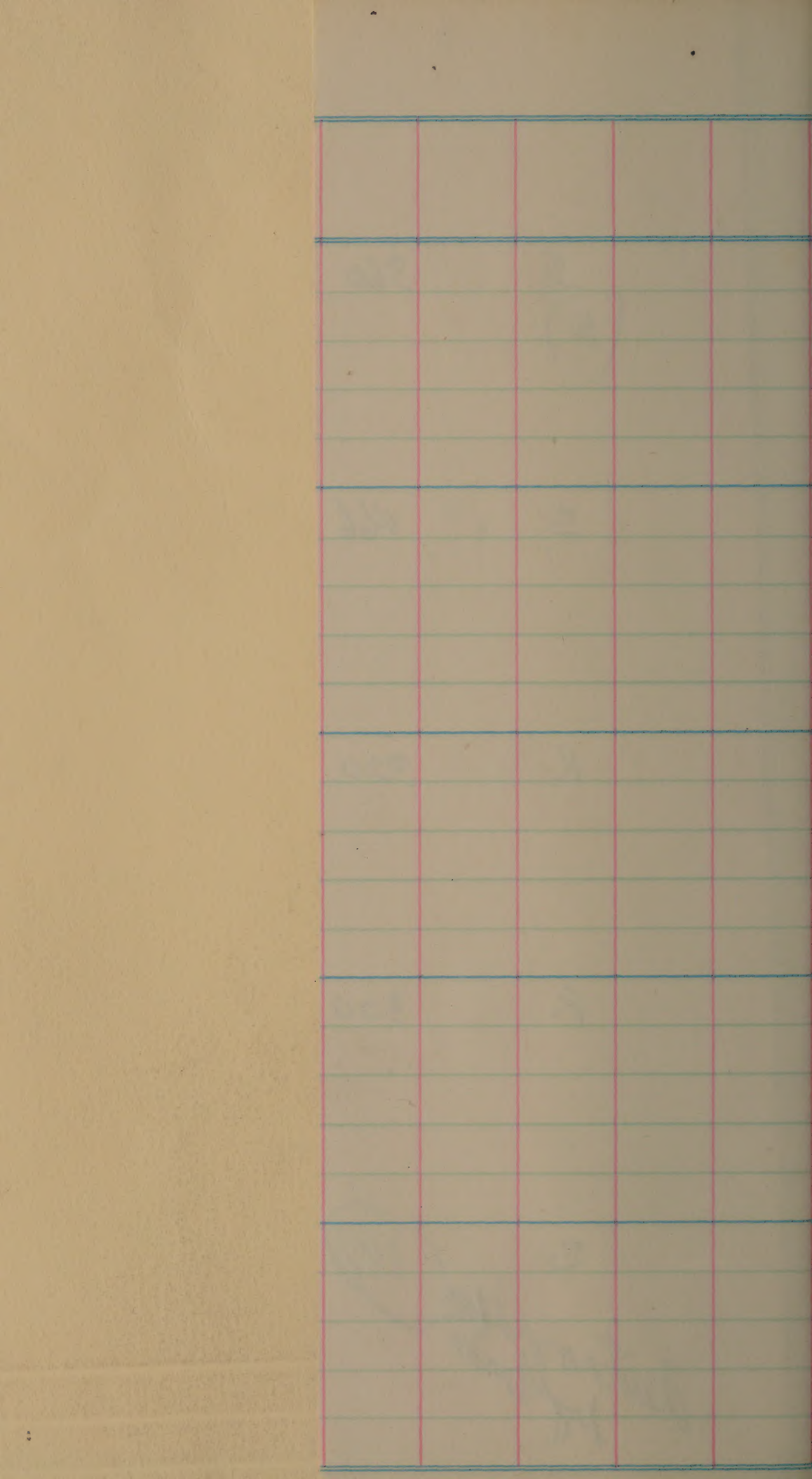
	S	466
--	---	-----

	R	320
--	---	-----

	R	300
--	---	-----

S	(198)
---	-------

destroyed by ~~hand~~



48.0 2160

62.7 2796

42.6 1920

40.8 1800

26.4 1188

199

 $10/1$ ~~$10/8$~~

B403/A1-7-3,

2184

TPxR-SBR

200

 $10/7$ ~~$10/9$~~

B4033A4-6-1,

4139

TPxR-7689

201

 $10/7$ ~~$10/9$~~

B4033A4-6-7,

4145

TPxR-7689

202

 $10/4$ ~~$10/10$~~

B4045A 44-11,

4234

TPxR

203

 $10/10$ ~~$10/11$~~

B4035B44-12,

4235

TPxR

S

293

S

386

destroyed
by birds

S

(66)

destroyed
by birds

S

(60)

S

376

appears to have Reno stream

39.6 1758

51.5 2316

8.8 396

8.8 360

50.7 2256

204

10/6

~~10/18~~

B4036A1-7-2, 4397

R-D x R

earliest

205

10/7

~~10/20~~

4399

B4036A1-7-4,

R-D x R

206

10/6

~~10/19~~

B4036A1-7-7, 4403

R-D x R

207

10/1

~~10/18~~

B3713A3-2-3, 4331

S x R

Midseason maturing Long and
 Mid-Long Group

208

10/6

51

C55-167-18

55

N x 461

60

one may be
214 → S 68
368

shortest
straw

S 291

Birdsong → S

520

long slender grain - Ua

R

9.60408

38.61746

305

69.33120

cructus:

209

Delitus

188

~~5/28~~ 10/11 47

210

Taman Fortuna 187

~~10/1~~ 10/21 47

211

B44-2951 PL

Taman Pr Nira

~~10/7~~ 47

212

B45-2455

2455

Pr. Nira

~~10/7~~ 40

213

B38/2A1-2-2

33

1645-5309 x S-F

10/13 43

CO

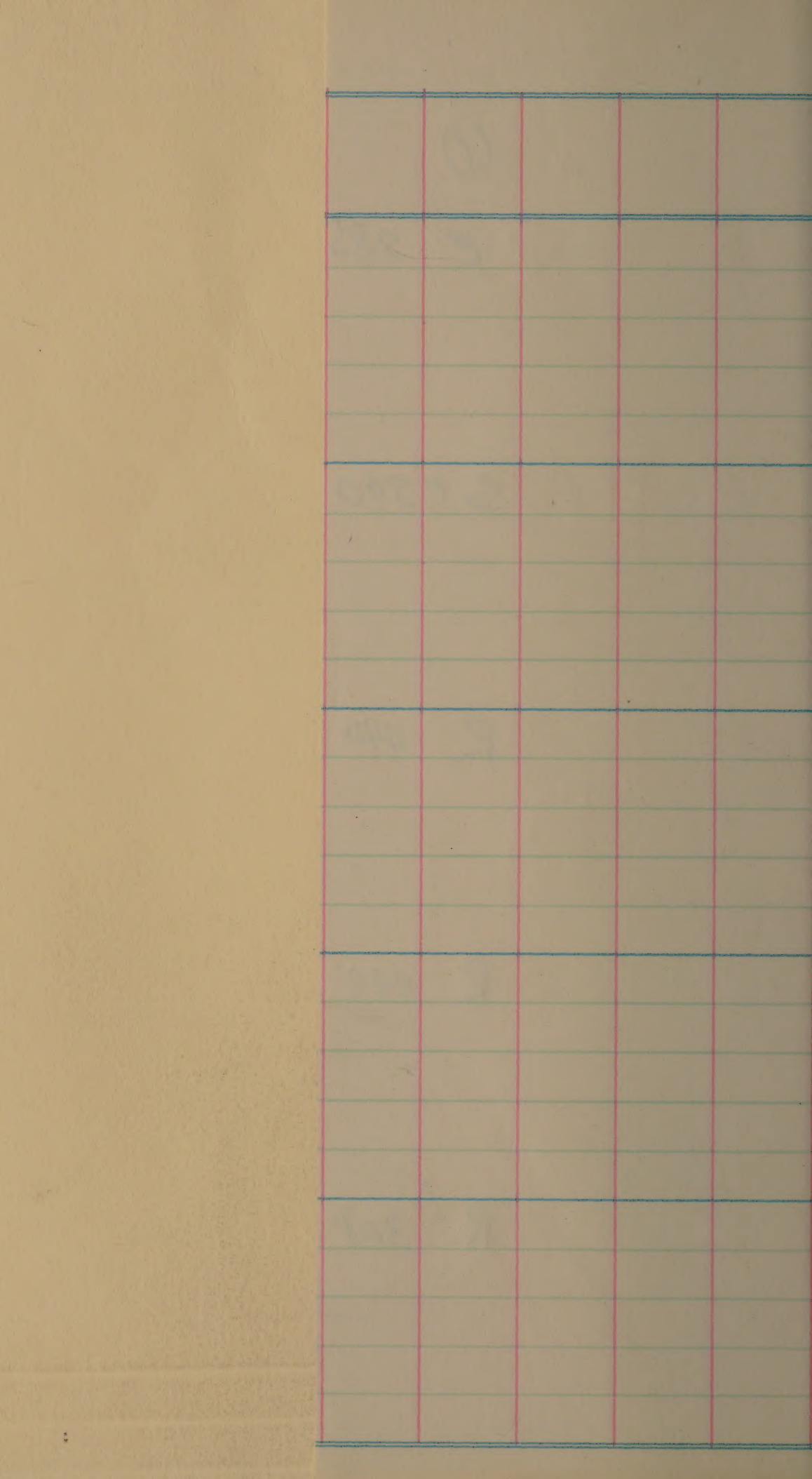
R 285

S+390

R 440

R 390

R 308



38.0 9710

52.0 2340

58.6 2640

52.0 2340

61.1 1848

214

Hyb-Mix-

2321

10-44-4

TP+Rx R-D

~~10/18~~
~~signy~~

10/20

43

215

B347B40-9

46

Rx N

~~10/18~~

10/26

44

216

B45-2365

Gold Bbt

~~10/18~~

10/18

44

217

B45-2383,

Gold Bbt

~~10/18~~

10/18

41

218

B45-2251,

Gold Bbt

~~10/18~~

10/22

43

CO

S

R

304

not as good
as 217

R? 385

short stony
quite green show
looks very good.

R? 340

S

378

v. good plot

v. good

40.5

40.5 1824

51.3 2310

45.3 2040

50.4 2268

219

Anselina
Gold

PI

~~10/4~~

10/22

46

220

discB45-2387,
RxF~~10/4~~

4/8

sign later

44

221

B322B44-1,
RxF

2336

~~10/3~~

10/19

42

222

B322B44-9
RxF

2344

~~10/4~~

10/19

44

223

B322A4-1,
RxF

PI

10/

~~10/1~~

10/19

41

CO

S 315

S trace
destroyed
by birds

S 304

S 280

M-S 358

Too tall

42.0 1890

40.5 1824

37.3 1680

47.7 2148

224

B45-2444,
RxN $\frac{1st}{mean}$
 $\frac{late}{10/7}$ $\frac{11}{10}$ 42

225

B347B44-3
RxN

2258

 ~~$\frac{10}{2}$~~ $\frac{10}{23}$ 43

226

B347B44-9,
RxN

2265

 ~~$\frac{10}{2}$~~ $\frac{10}{19}$ 46

227

B347B44-26,
RxN

2283

 ~~$\frac{10}{2}$~~ 42

228

S45V154
RxN Sel

Stuxx

 ~~$\frac{10}{2}$~~ $\frac{10}{23}$ 40

CO

S 312

much
shorter straw
than 226

R 427

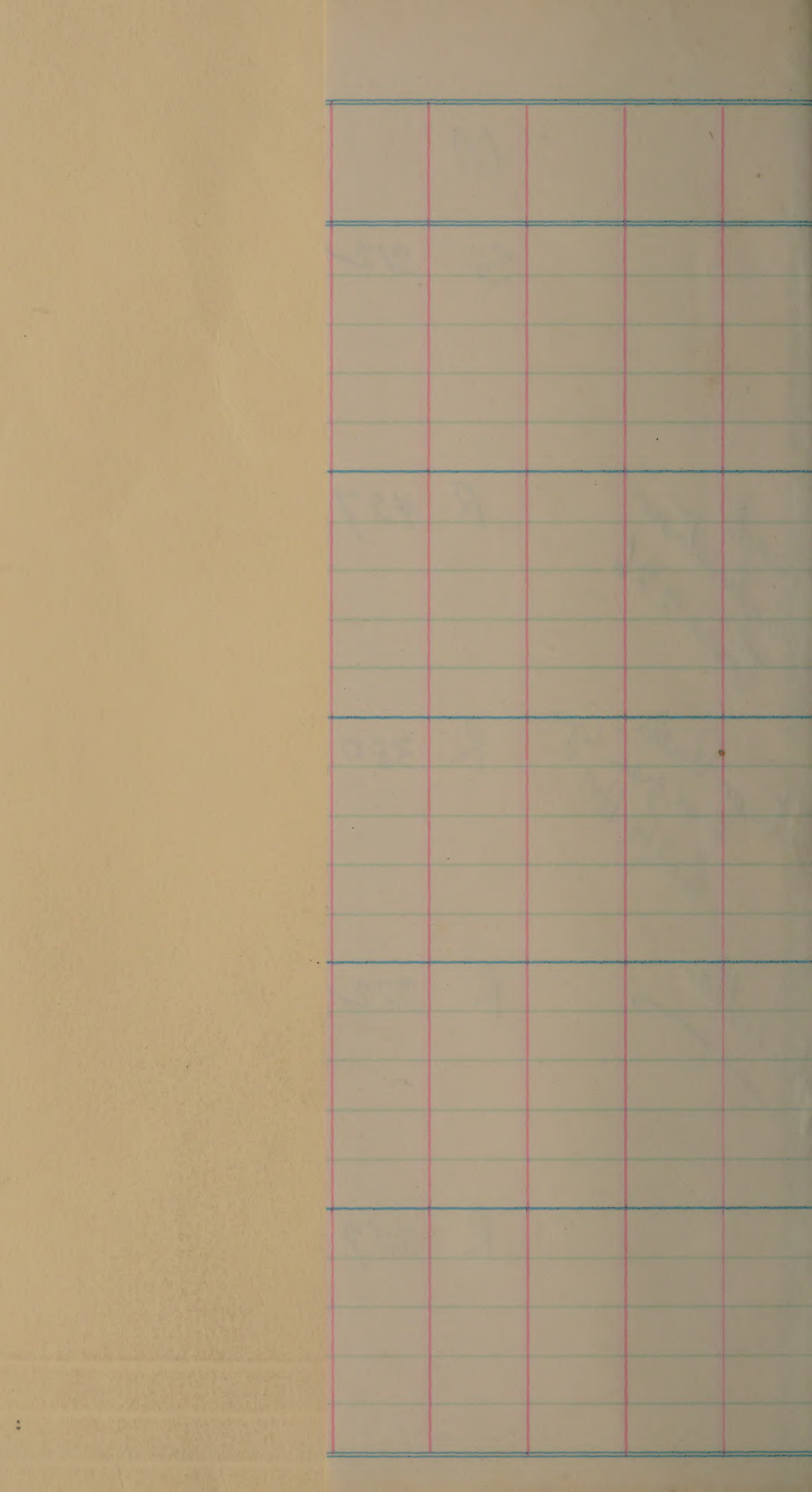
Straw-hulls
good grain type
Best for HO

R 380

old hulls

R 322

R 357



41.6 1872

56.9 2562

50.6 2280

42.9 1932

47.6 2142

229

B4026A5-23, 4187
R-7689XR

~~10/7~~ 10/28 41

230

B4026A5-6-3 2193
R-7689XR

~~10/2~~ 10/20 41

231

B4032A3-37, 4044
TPXR-D

~~10/4~~ 10/22 40

232

disc B4033A4-15, 204
TPXR-7689

~~10/3~~ 40
delegating

233

B4033A4-30-1,
TPXR-7689

5150

~~10/2~~ 10/14 40

S 334

S 340

R? 408

S 275

S 396

Too tall

44.5 2004

45.3 2040

54.4 2448

36.7 2650

37.4 2804

38.2 2912

52.8 2376

234

2230

~~10/6~~ 10/26 41

B4033A4-43-6-2

TPxR-7689

235

~~10/6~~ 10/12 40

B4033A4-43-2 2227

TPxR-7689

236

~~10/6~~ 10/14 40

adv
cut
guard

B4033A4-30-2 5163

TPxR-7689

237

~~10/5~~ 10/23 41

B4033A4-30-3, 5165

TPxR-7689

238

~~10/5~~ 10/23 42

B4033A4-43-4-2 5365

TPxR-7689

CO

R 328

S 377

S 388

S 321

S 282

straw hells

By for the heat looking, each

43.71968

50.32262

51.72328

42.81926

37.81692

239

B4033A 4-43-7-1, 5388

TP x R-7689

~~10/2~~ 10/22 44

240

B4033A 4-47-1-1 2234

TP x R-7689

~~10/14~~

40

241

B4033A 4-47-5, 2238

TP x R-7689

10/8
late

41

seg
very late

242

B3713A 13-2-2-1, 2398

S x R

~~10/5~~ 10/26 42

243

B3713A 17-2-1, 2399

S x R

~~10/6~~ 10/26 42

CO

drives
back V. fast

S

328

S

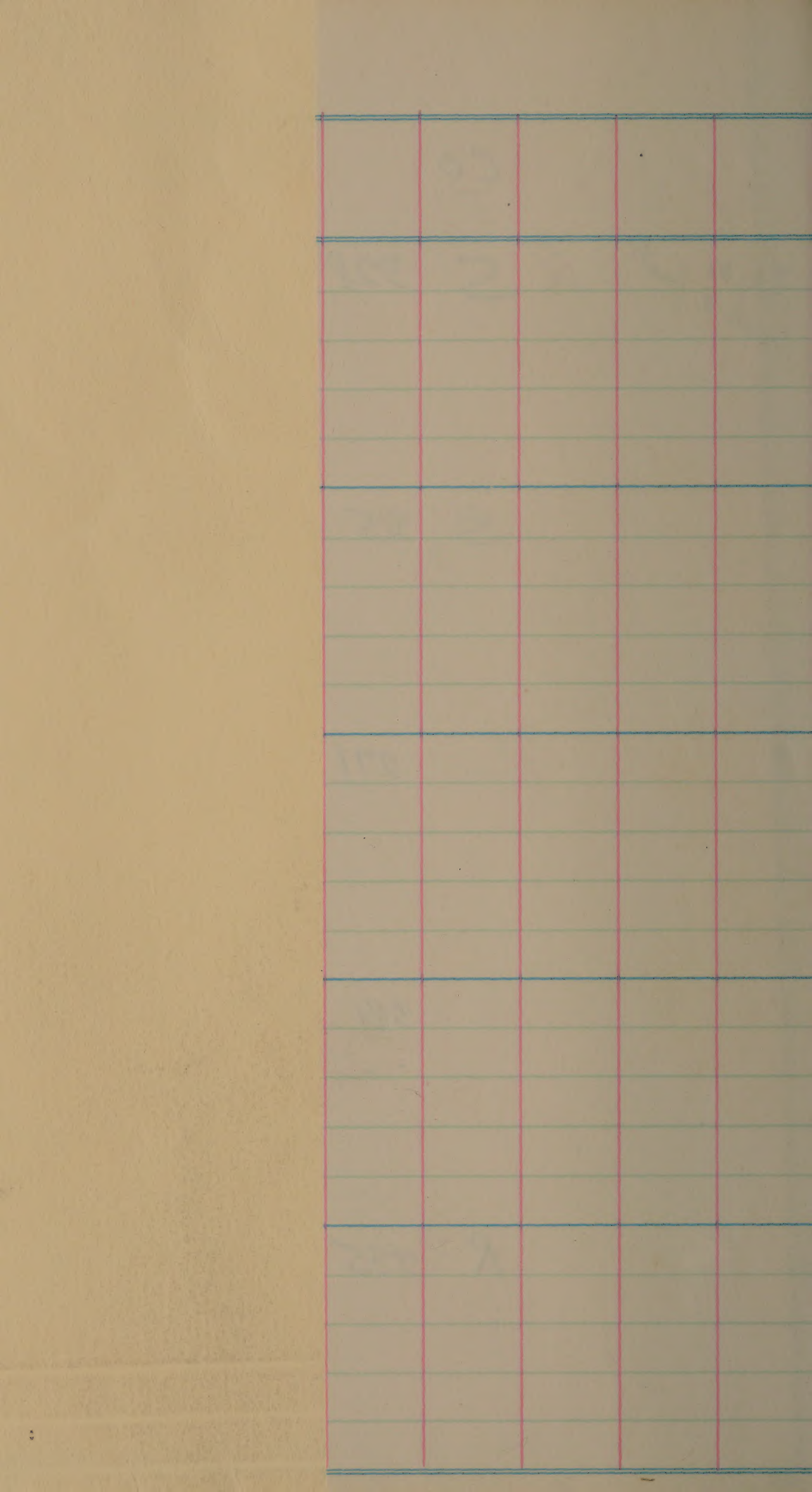
315

271

341

R

335



43.71968

42.01890

36.11626

45.52046

44.62010

244

B45-2250

Stockdick

Rexoro

~~10/10~~

45

~~Midseason maturing shorter~~
BR Types

245

CI-5399

141

Glut.

10/21 31

cut
pound

246

B3810A9-3,

219

S-EPxCA -dy

~~10/3~~

47

247

B3448 41-6,

104

CA x K.

10/8 34

248

CI-6796

220

10/9 33

CO

✓

S 318

medium grain wa

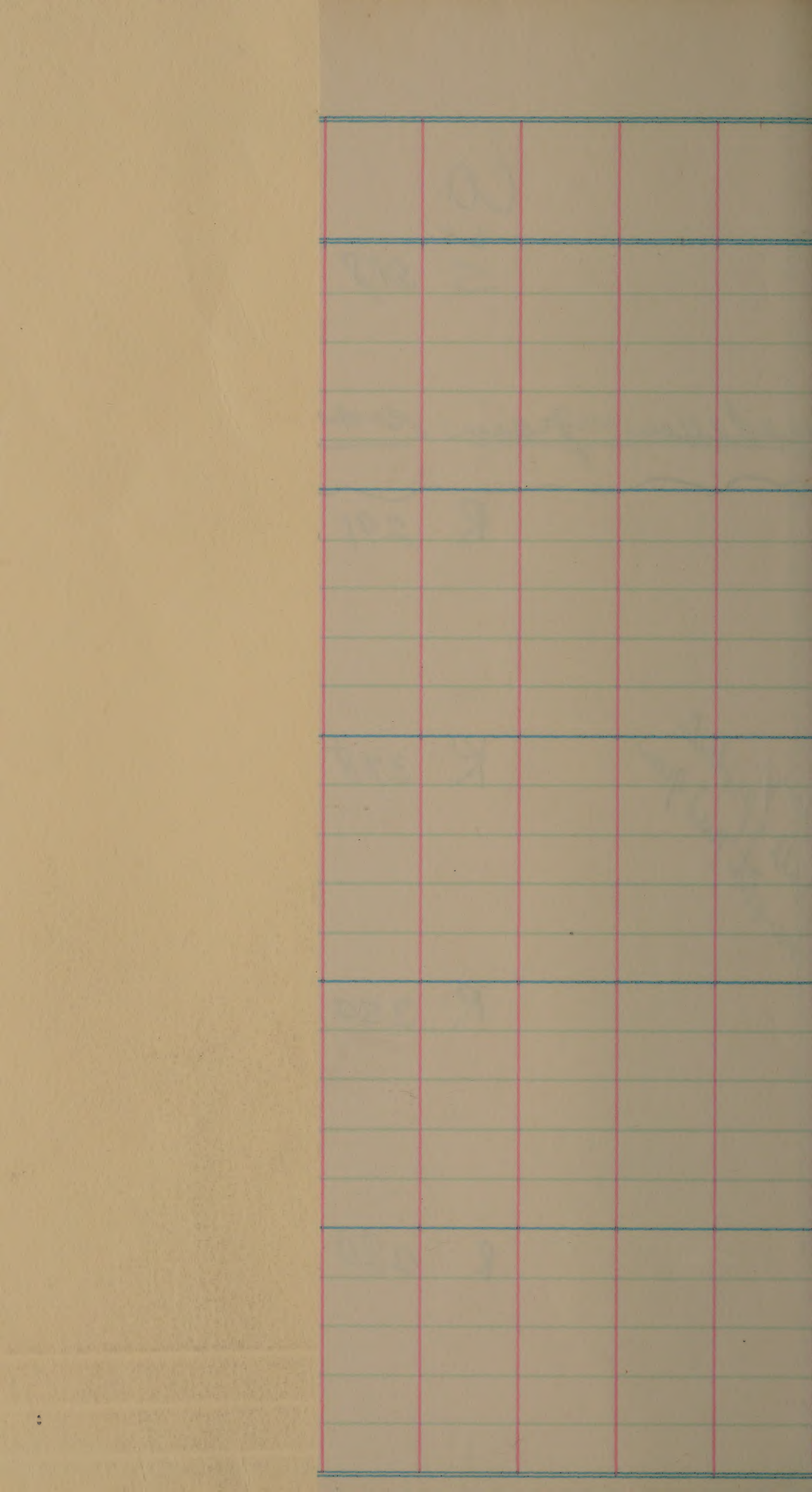
R 291

may
ball + product
smooth med grain

R 378

R 350

R 280



42.4/1908

values:

38.6/1746

50.4/2268

46.7/2100

37.3/1680

249
Guneki 221

10/9 31

250
B344B39-6 222
CAxK

10/8 35

251
B44-2047 161

10/23 41

252
B4019A1-3-3, 224 *seq*
SP x K-BR

10/15 39

253
Ramrose 47 225

10/7 40

CD

R 289

R 316

aged ramp
body smooth
BR top, does
backpacks some
green plants

R 490

R 346

no
value

R 314

Excellent, sm BK type

38.54734

42.11896

65.32940

46.12076

41.91884

254

Rice
10/13 38B4117A39-1, 230
BR41-8323 x 8324

255

10/13 41

B376A2-7-2, 233
TBR-F x S

256

10/15 42

C44V45 234
S x BR

257

42

B406, 235
F x Red

258

10/15 42

BR Early Pearl 236
Type

Co

R 390

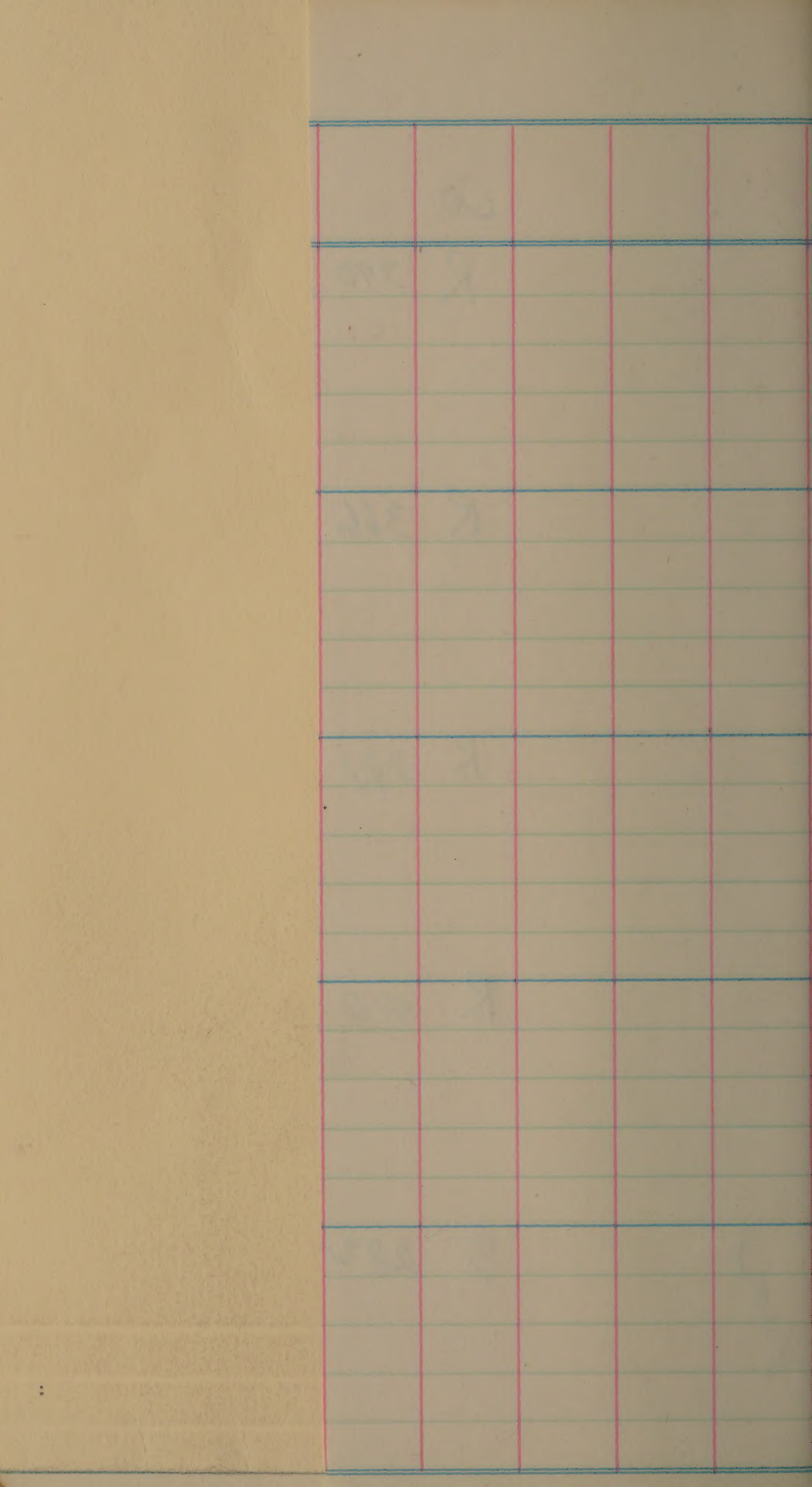
R 366

R 391

R 410

G 282

Power



52.8 2340

48.8 2196

52.1 2346

54.6 2460

37.6 1692

259

B3712A1-7-3, 237

~~E7-8326~~

Ripe

10/13 3

260

CL-8326-1 77

K-H x BR

10/13 39

261

B3715A12-1-1, 249

3512A x SBR

10/14 40

262

B34A39-47-1 250

BR x 5309

10/13 39

263

B44-2427 302

Sh x Med.

10/12 38

CO

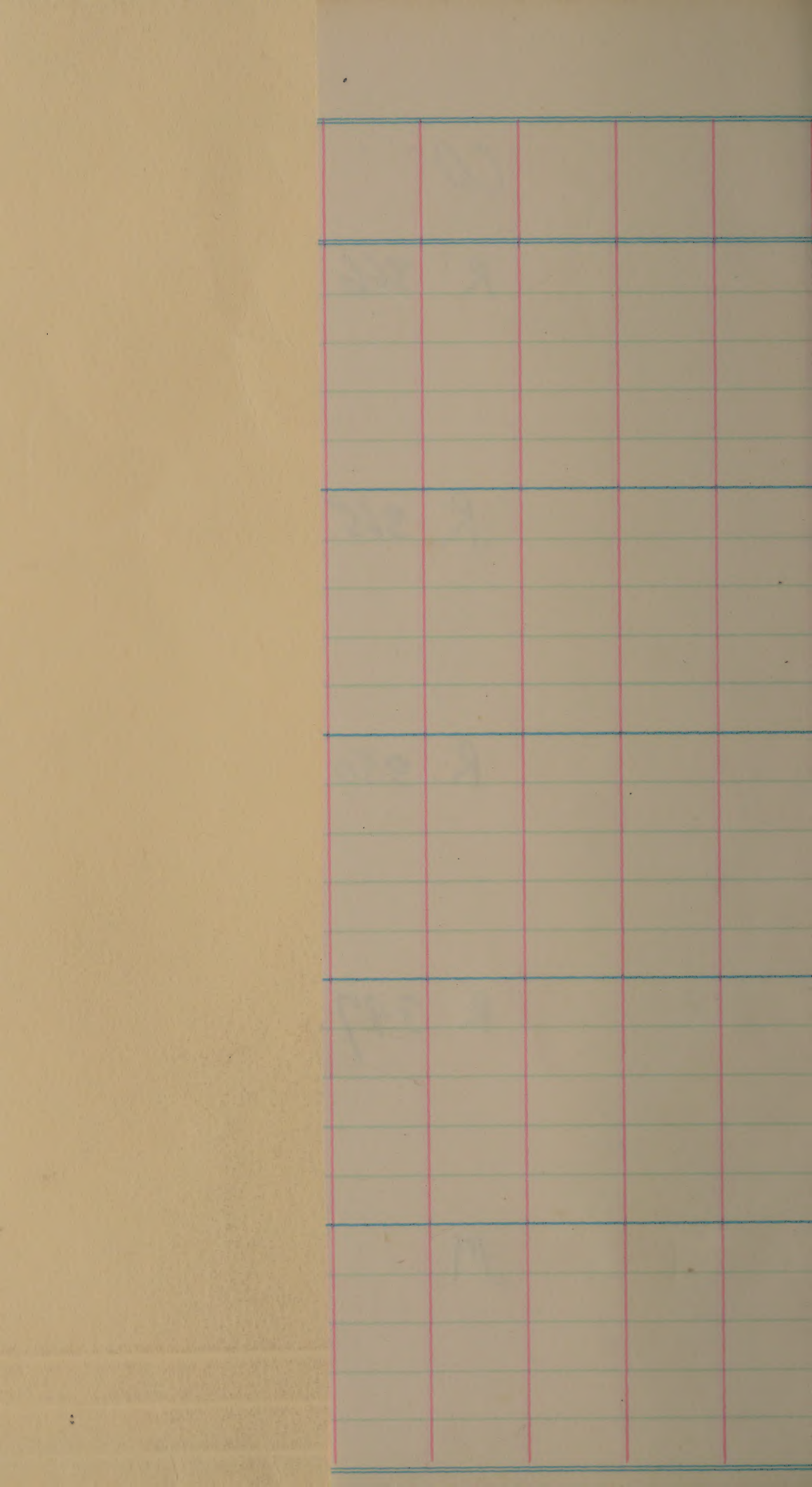
R 366

R 365

R 350

R 397

M



48.8 2196

48.6 2190

46.7 2100

52.9 2382

264
B44-2421
late Comp 301

~~10/18~~ 10/25 41
sequ.

265
B41-3282-1,
Sm BR 298

10/23 38

266
B44-2402,
Sm BR. 296

~~10/18~~ 10/24 35

267
B44-2397,
Sm BR 294

~~10/18~~ 10/26 46

268
B403, Bruin Sol. 245

~~10/18~~ 10/25 48

co

R 359

small strands
straw stop light
fairly green
grain yellow
short
straw
bushy
slender

R 444

R 308

R 334

R 399

✓ shot straw,

47.92154

59.22664

41.11848

44.52004

53.22394

269

Ryze

42

B43-2792, BR

246

Sign

Sol.

270

10/12

41

C4016A

87

K-47x BR41

271

10/13

39

B3715A36-6,

101

3512AX SBR

272

10/3

~~10/4~~

11/2

38

B44-2404,

297

Sm BR

273

10/12

36

B412A5-2,

254

8323X K-7143

forbs quite
good but some

CO

R 361

R

432

Branded
legume

R

359

Very hot
Very good

R

355

True white

P

341

2 reg ht sign mat,

48.1 2166

57.6 2592

47.8 2154

47.3 2130

45.4 2046

Ripe

274

10/8 35

B412A 5-9,

252

8323X K-7143

275

~~10/3~~

10/23 41

B4045A3,

256

R-SBRx BR41

276

10/4

~~10/13~~

47

C4-II-4-1-11,

255

Rx BR-R.

C

? 333 44.4 / 1998

R 400 53.3 2400

R 323 29.7 / 338

Straw
hulls
good

111 + Total yield 3 plots in #2 +

B4033A4-38-1, 1 of series 5 feet short 46
TRx R-7689
TPx R-7689

~~9/25 10/5 10/30 45"~~

Annual average

9/25 10/30 45

B4031A1-7-8,
TPx R-SBR

(129) ~~9/27 10/2 10/25 47"~~
49

C3-72-3,
Rx Lx Lx

9/27 10/25 48
(119) ~~9/15 9/25 10/21 45"~~
45

Texas Pat model A
CI-8321-1

9/15 10/21 45
(112) ~~9/15 10/1 10/23 46"~~
48

Russow
TS-1994/
CI-1779

9/20 10/23 47
(112) ~~10/1 10/12 11/8 45"~~
46

10/1 11/8 45

28.67 = # per A
all checked but late,

Lodging				
				16.5
				18.5
				<u>19.3</u>
				54.3
O		M		

				16.5
				19.0
				<u>21.5</u>
				57.0
Bad		M		

				11.5
				14.3
				<u>13.3</u>
				39.1
O		S		

				13.0
				15.5
				<u>17.5</u>
				46.0
M		S		

				15.5
				20.0
				<u>12.5</u>
				48.0
O		S		

3 north row of series 1 are earlier than
others

lodged badly in storm of
Mar. 2-4 in all 3
series. Straw still very
green on $\frac{1}{2}$, but only var.
that lodged.

$\frac{11}{7}$

34.6 1557

36.3 1634

24.9 1121

29.3 1319

30.6 1376

Multiply total lbs yield x 28.6

same

✓

B3313A1-20-4, (111)
R17689
9/19 9/28 10/23 50
51

Haley
CI-8320
9/19 10/23 50
(111) 9/27 10/6 11/3 51
51

B321B40-3,
RxD
9/27 11/3 51
(110) 9/18 9/27 10/19 44
44

Calow
TS-19799
CI-1561-1
9/18 10/19 44
(71) 8/16 8/27 9/20 37
37

Adams
CI 8310 (73)
8/16 9/30 37
8/30 9/9 10/1 40
37

8/30 10/1 38

all figures checked &
ready to ^{copy} except late
yield data

C O

15.8

16.5

19.0

51.3

O

R

10.8

13.0

20.0

43.8

O

M-R

16.0

17.8

17.0

50.8

O

M-R

9.5

11.0

15.5

36.0

O

S

15.5

14.5

15.0

45.0

O

S

1st series badly damaged
by ducks

32.7 1471

27.9 1256

32.4 1456

22.9 1032

28.7 1290

Kamrose 34 (74) ~~8/28~~ 9/5 10/1 44
CI 8314

44

Blue Rose 41 (78) 8/28 10/1 44
9/4 10/7 42

TS-33108

CI-8317

39

Blue Rose (79) 9/4 10/7 40
~~9/5~~ 10/7 43

TS-7183

CI-1962

39

B42-2693 9/5 10/7 41
~~9/8~~ 10/10 47

Brunn Sel.

45

Blue Rose 39 9/8 10/10 46
9/3 9/30 43

TS-33104

CI-8322

9/3 9/30 45

CO₂

16.5

17.0

15.8

49.3

O

R

19.0

13.3

17.8

50.1

O

M

19.8

17.5

14.3

51.6

O

S

25.3

22.8

20.0

68.1

O

R

23.5

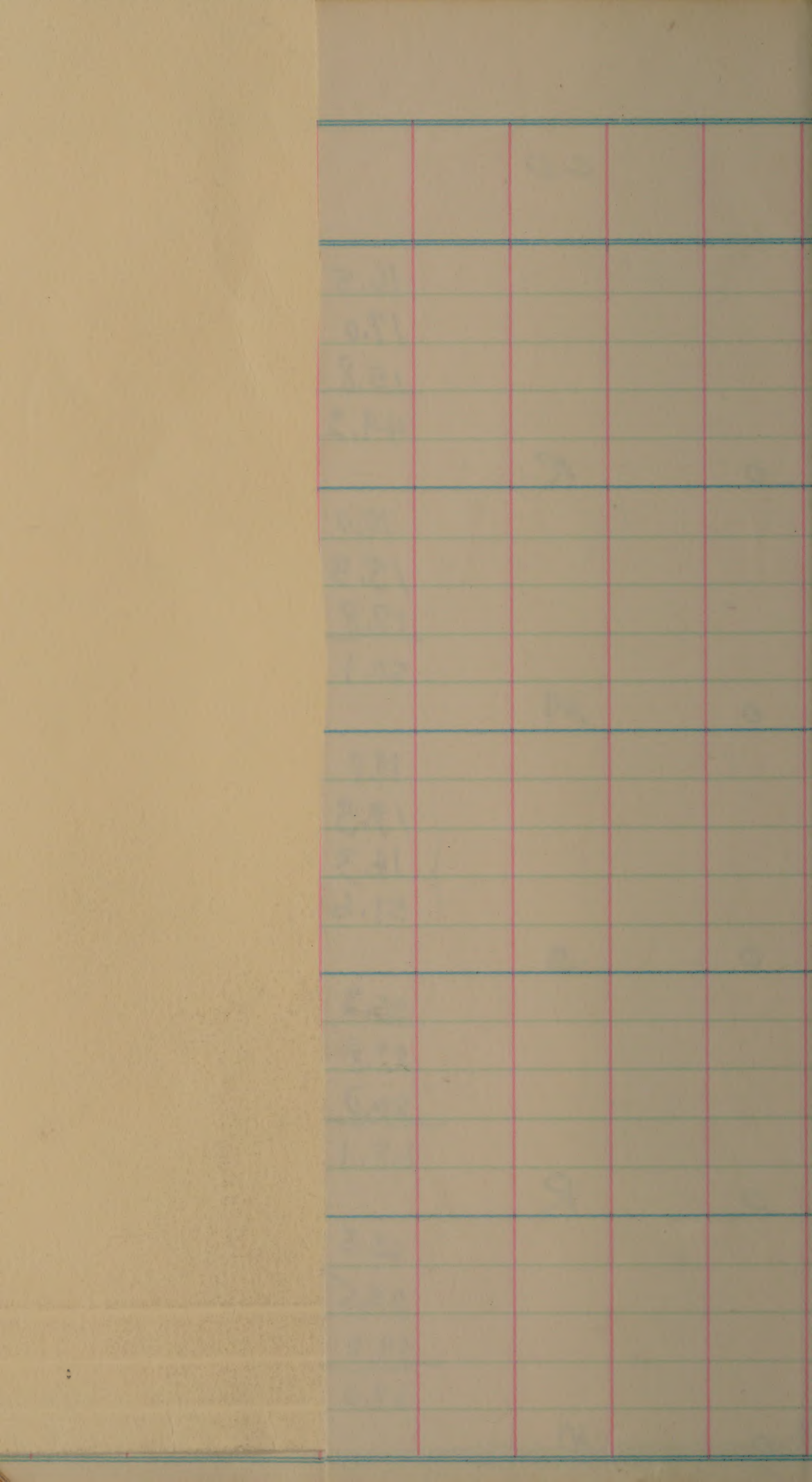
23.5

22.0

69.0

O

M



31.4 1413

31.9 1436

32.9 1479

43.4 1952

44.0 1978

J. Fortuna

(41) 9/8

10/5 48

TS-9821

CI-1344

~~46~~

ma

(45)

9/8

10/5 47

9/13

10/13 52

TS-19926

CI-2702

54

B347B40-9

(46)

9/13

10/13 53

9/12

10/12 44

R x N

43

9/12

10/12 43

B4033A4-43-3

PI

9/1

9/28 43

TPxR-7689

Sud

43

9/1

9/28 43

C322A6-23

9/10

10/13 44

R x P

Conley

43

9/10

10/13 43

CO₂

22.0

22.5

23.0

67.5

O

M

25.5

20.0

25.0

70.5

O

R

21.0

23.0

22.3

66.3

O

R

19.3

19.0

21.0

59.3

O

S

21.0

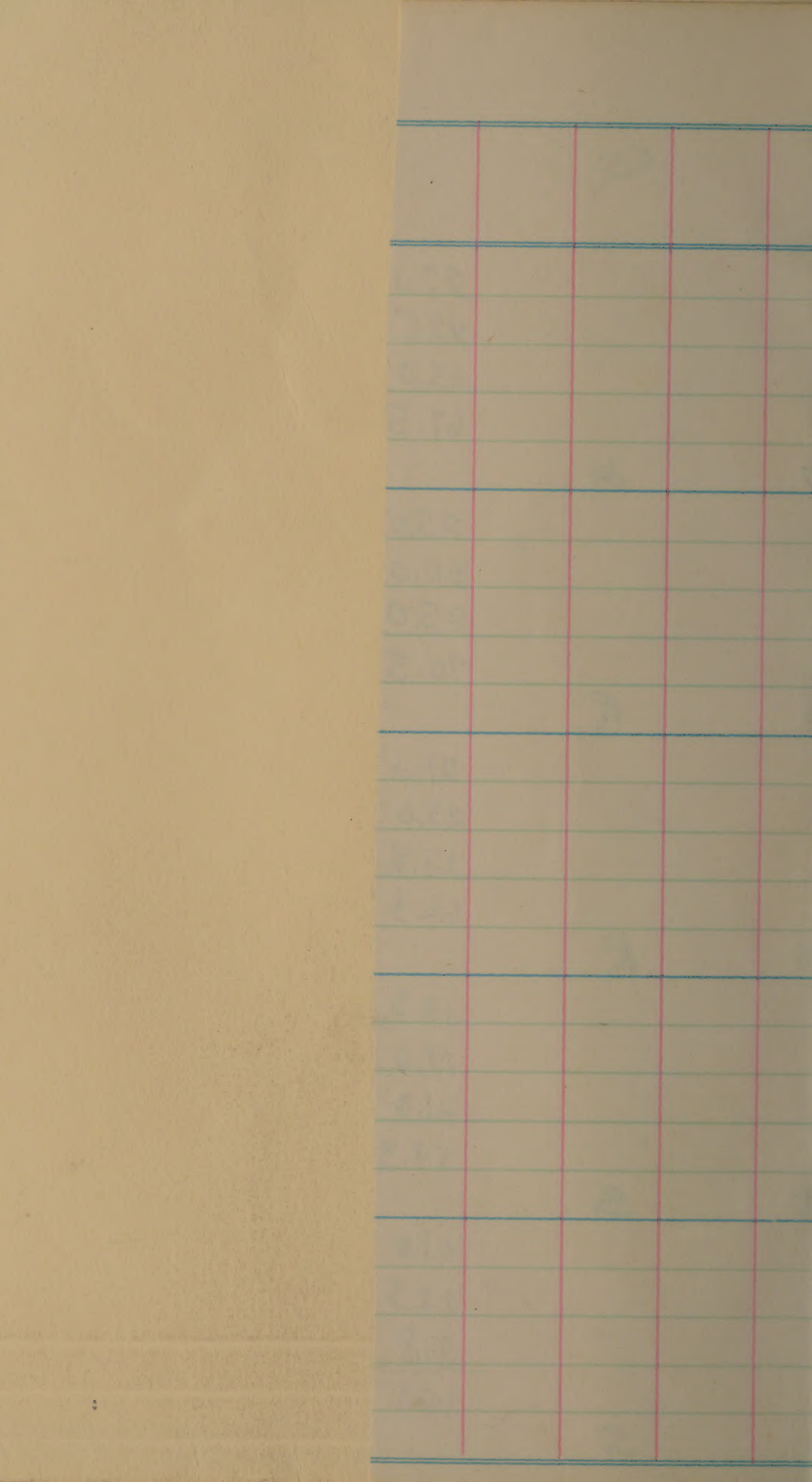
22.3

21.8

65.1

O

S



43.0 1935

44.9 2021

42.2 1901

37.8 1700

41.5 1866

Smith (3)
CI - 7787

8/17

9/16

43

Early Protopia (1)
SS-19801
CI 5883

8/16

9/17

46

8/16

Magnolia (Plot)
CI 8318

8/18

9/19

45

Prostate (6)
CI 8311

8/21

9/25

48

Well log/green (25)

9/1

9/30

48

CO.

17.0

26.5

21.0

64.5

O

M

19.3

24.5

21.3

65.1

O

S

17.5

21.3

19.5

58.3

O

R

20.5

29.3

22.5

72.3

O

M

24.0

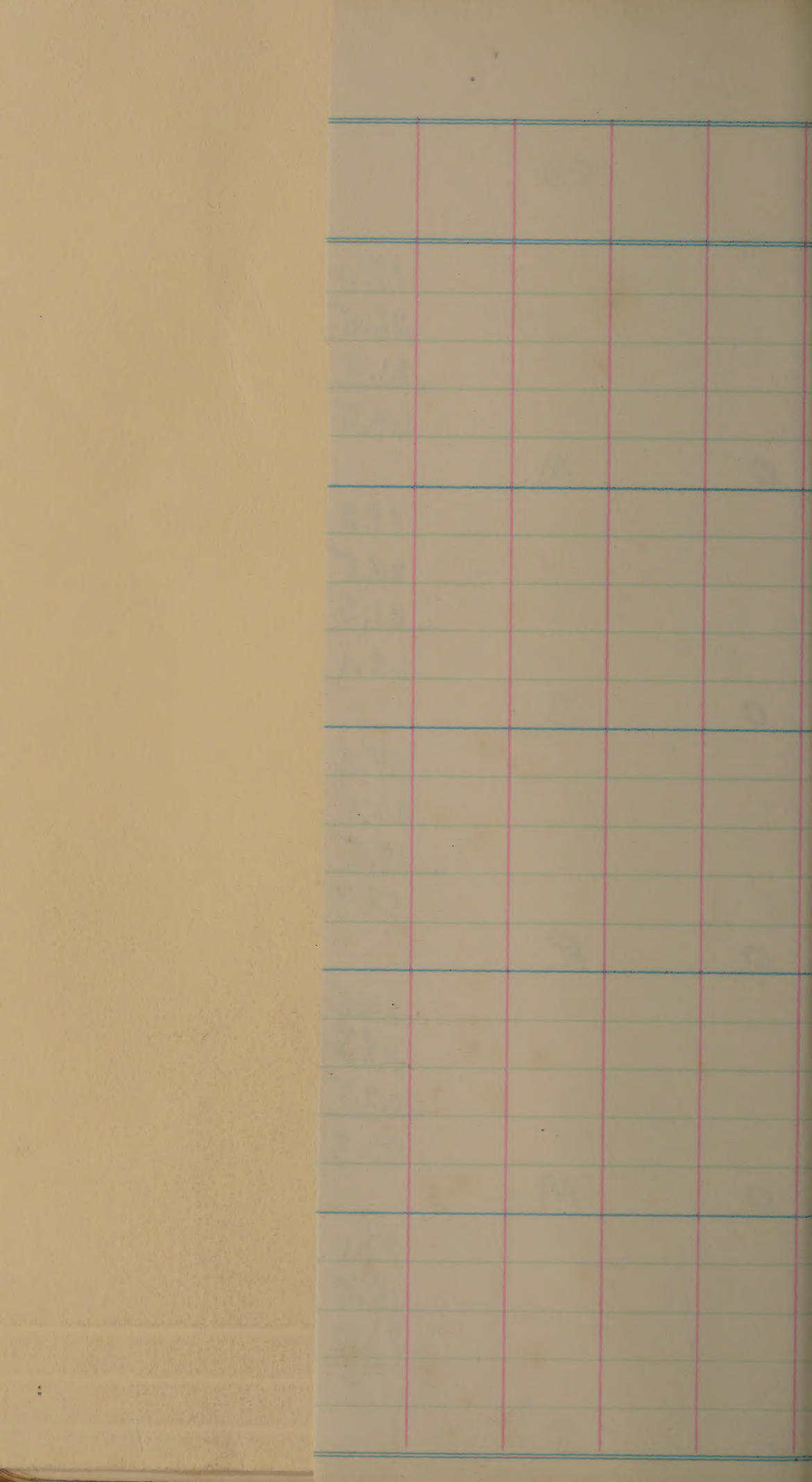
15.5

22.0

61.5

O

S



41.1 1849

41.5 1866

37.1 1671

46.1 2073

39.2 1763

541-10609

R-SBR

(48)

8/22

9/26

46

B411A3=7,

2x 8323

(36)

8/16

9/18

41

C6-250,
CO-BRXS-F

Cromley

8/17

9/20

43

25.5

26.0

25.0

76.5

O

M

26.8

23.0

23.3

72.6

O

M

26.0

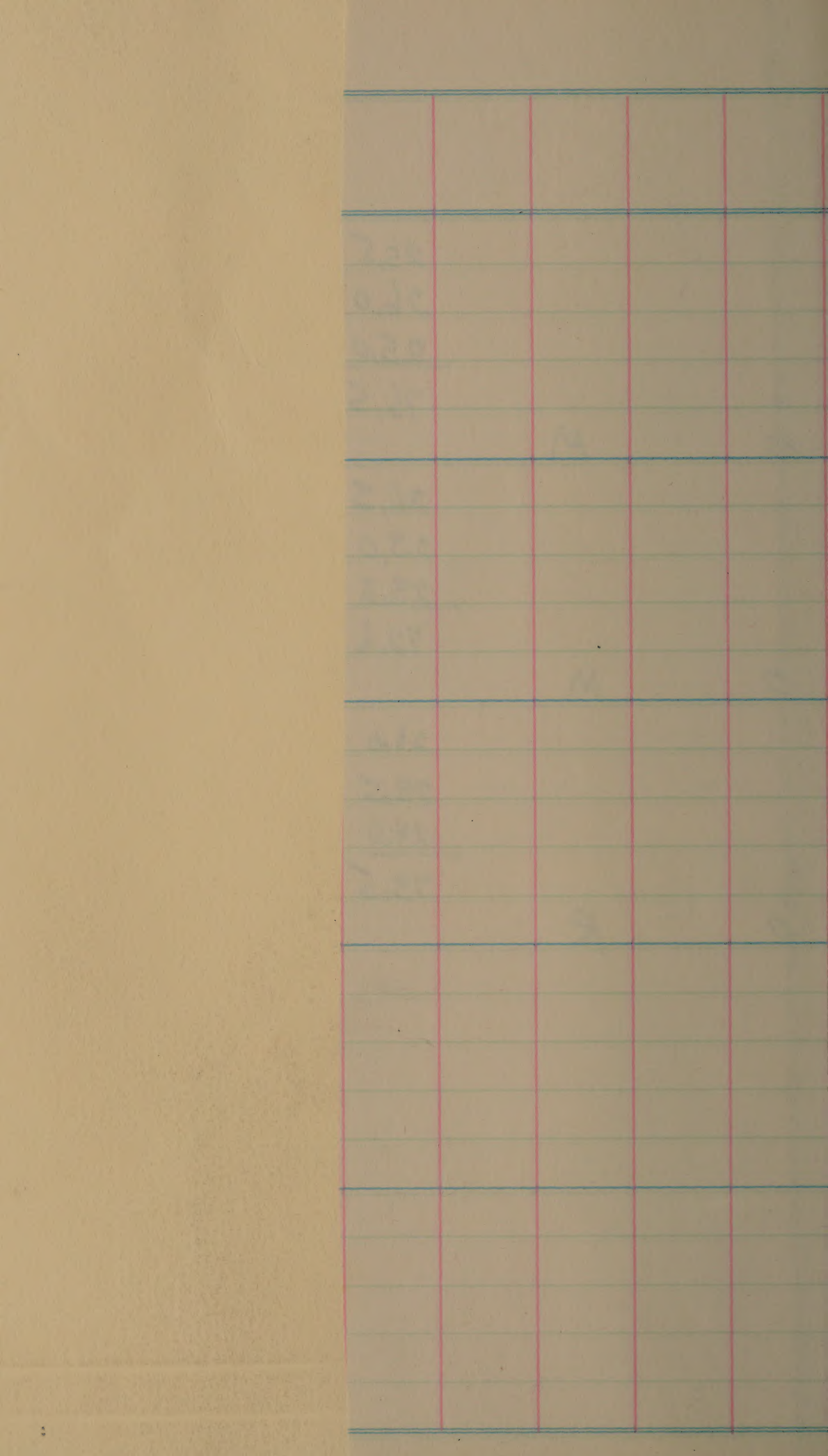
23.5

24.0

73.5

O

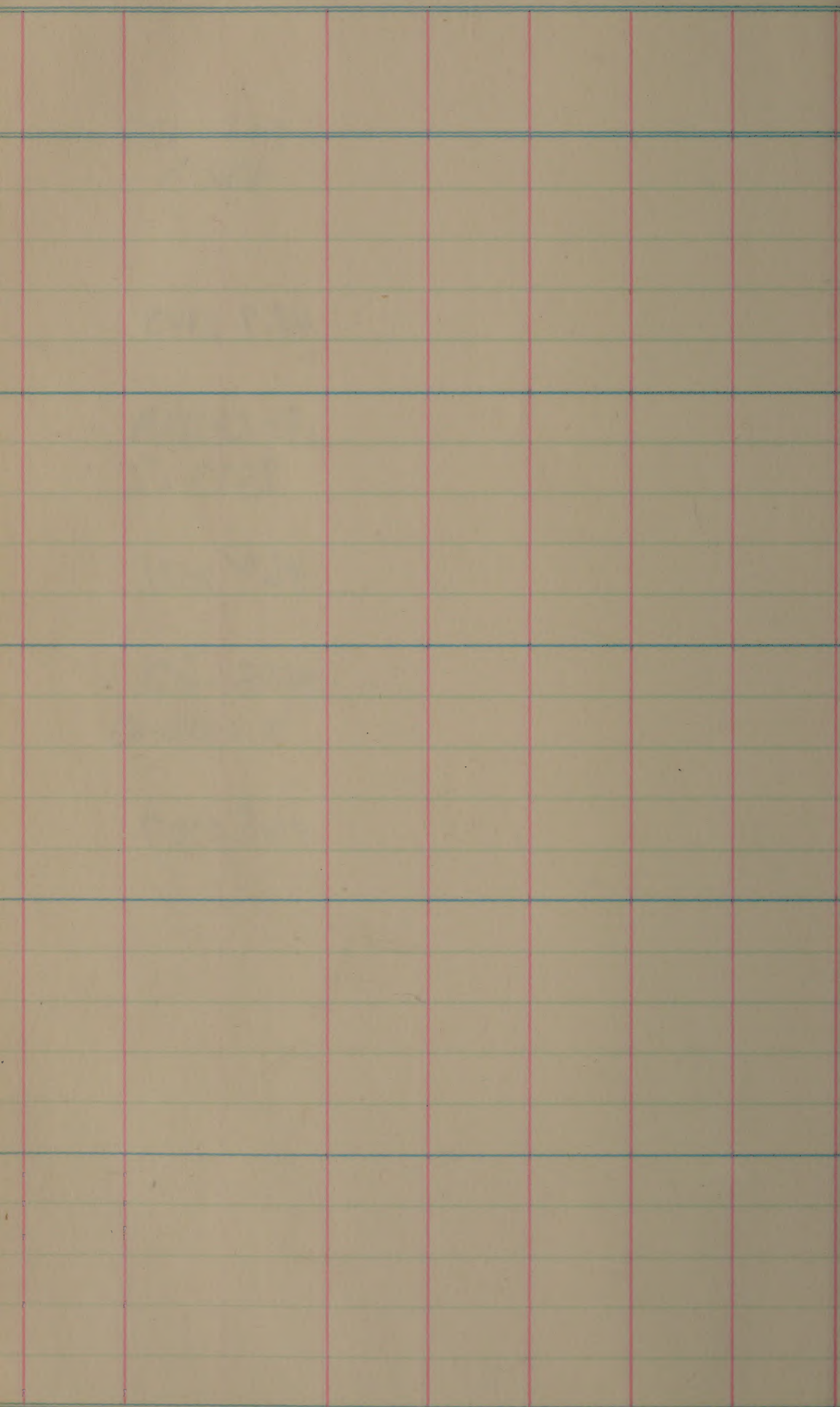
R

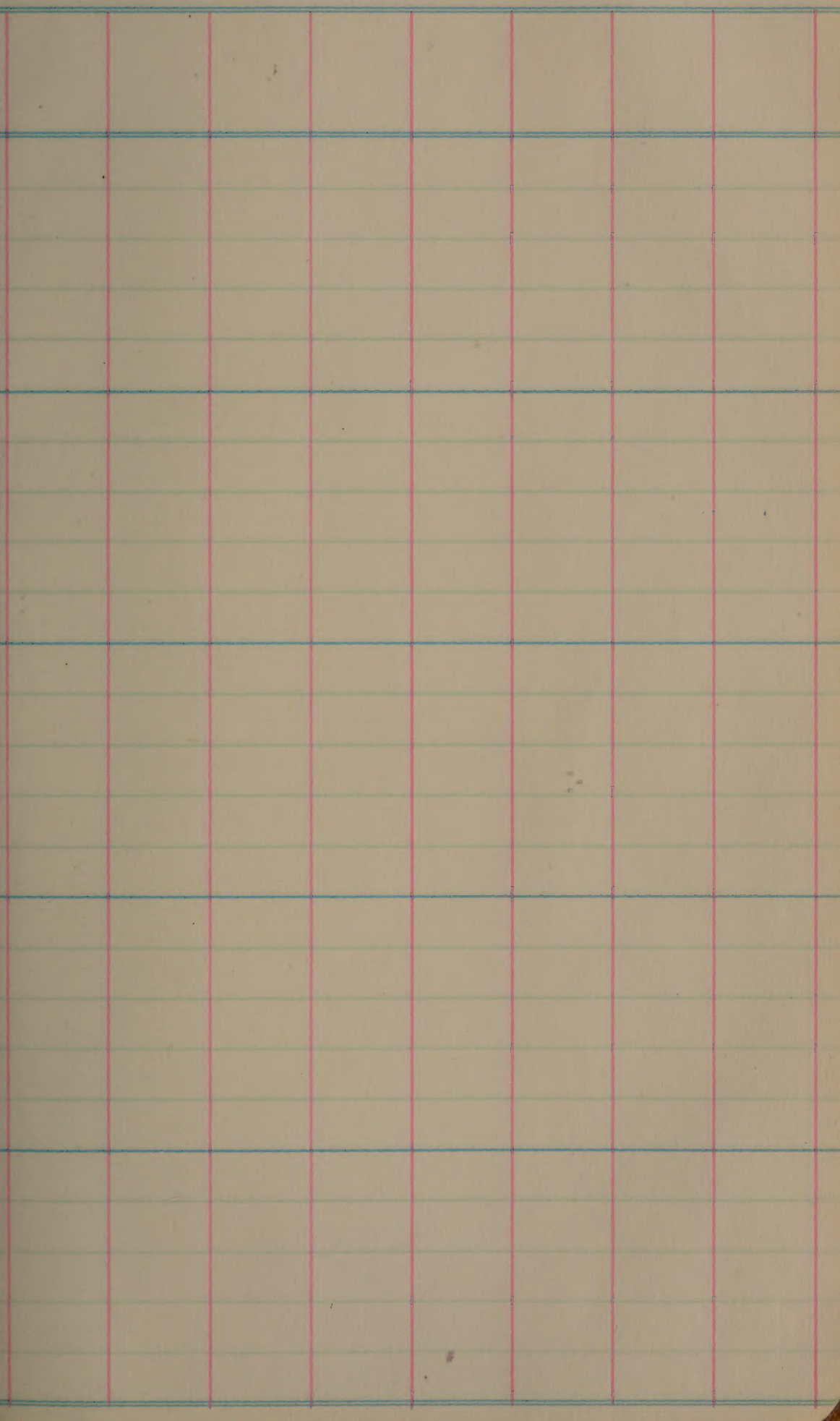


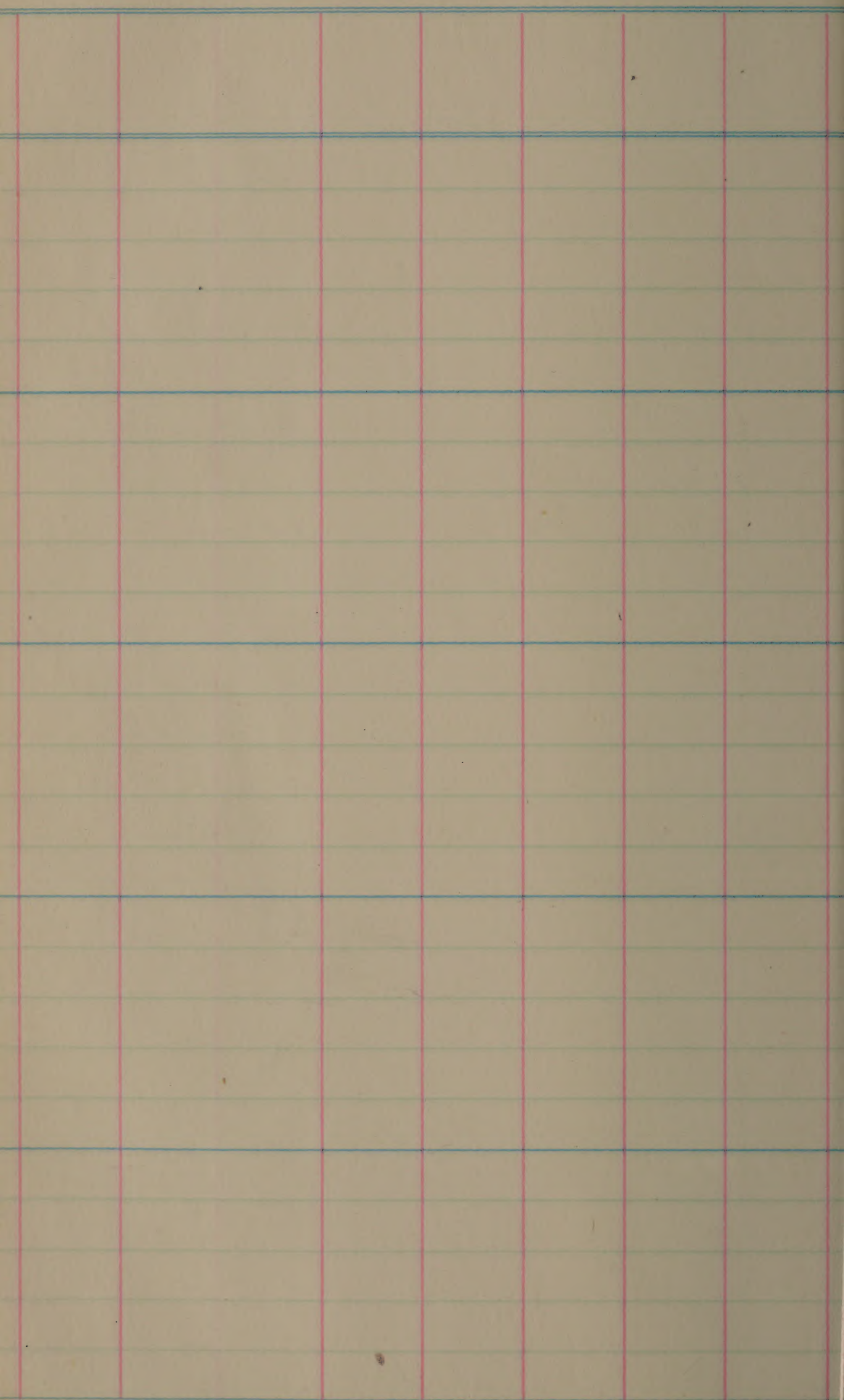
48.7 2193

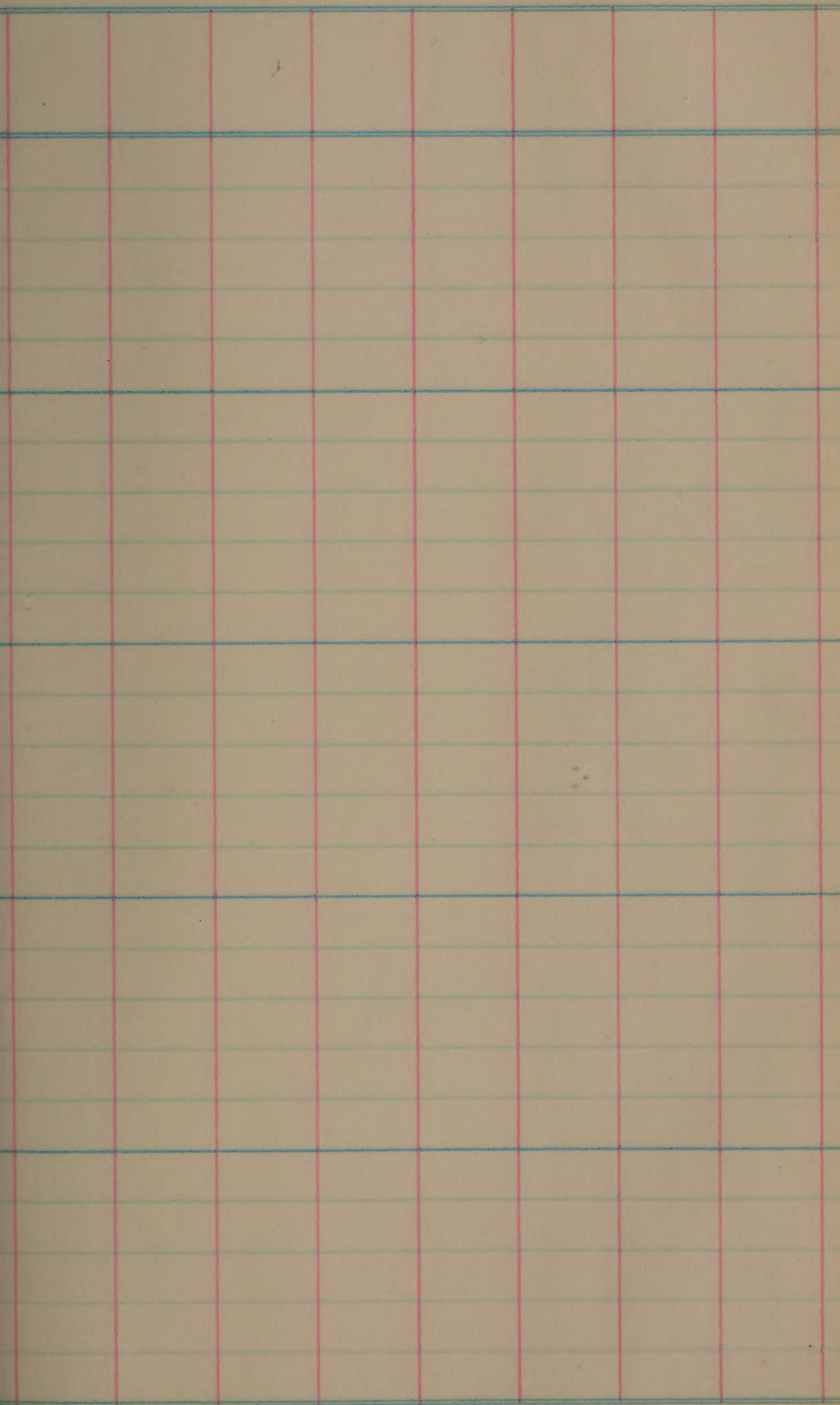
46.2 2081

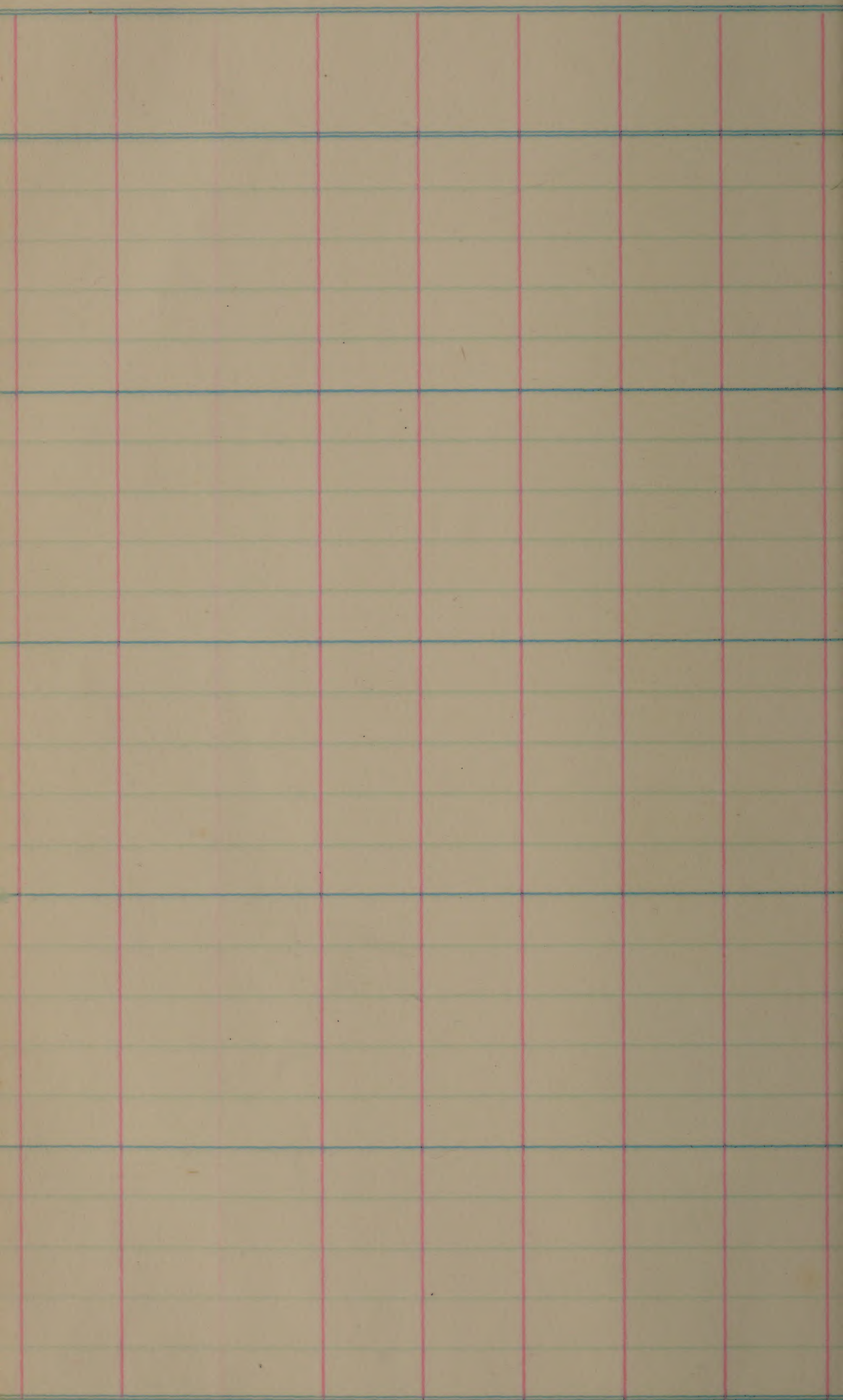
46.8 2107

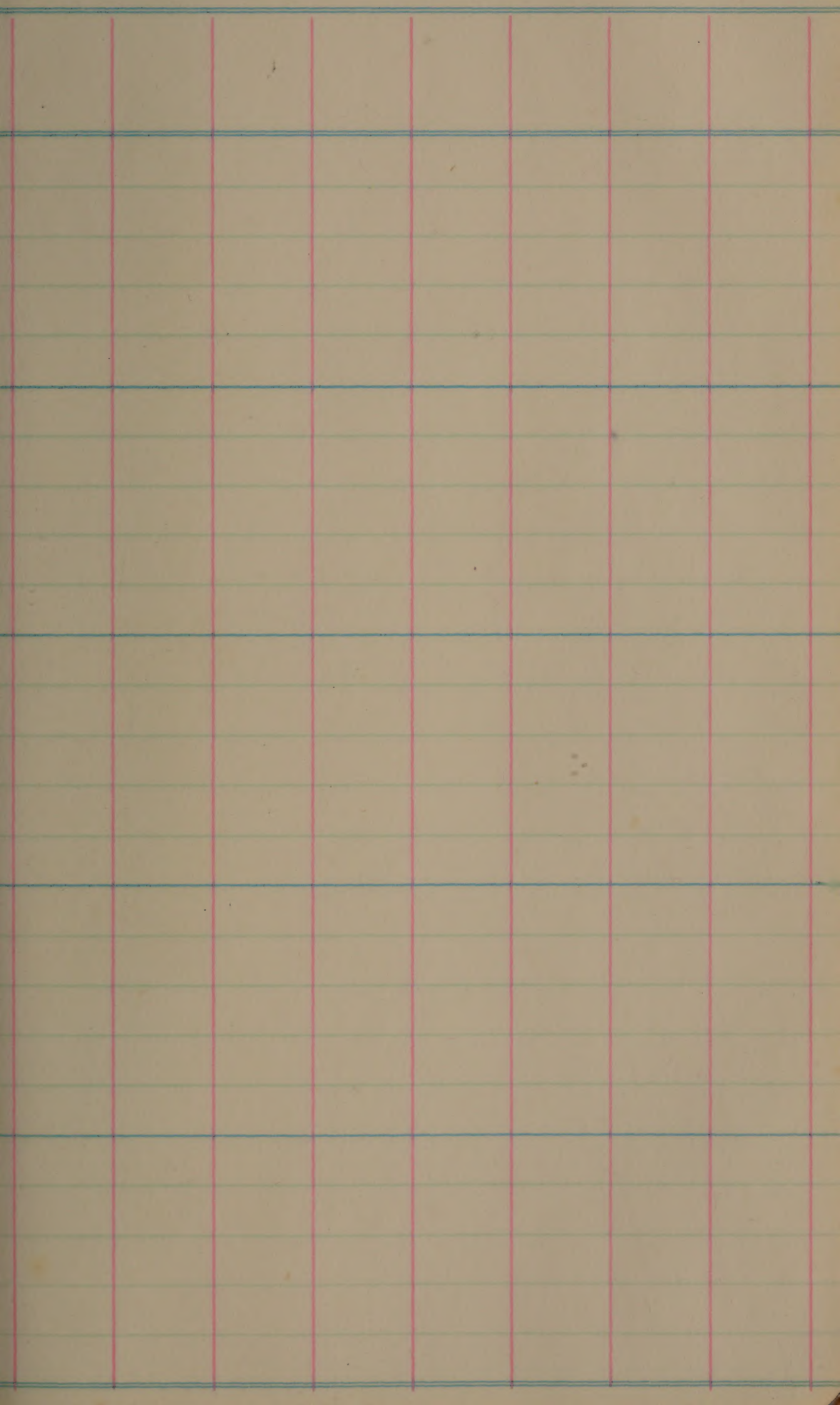


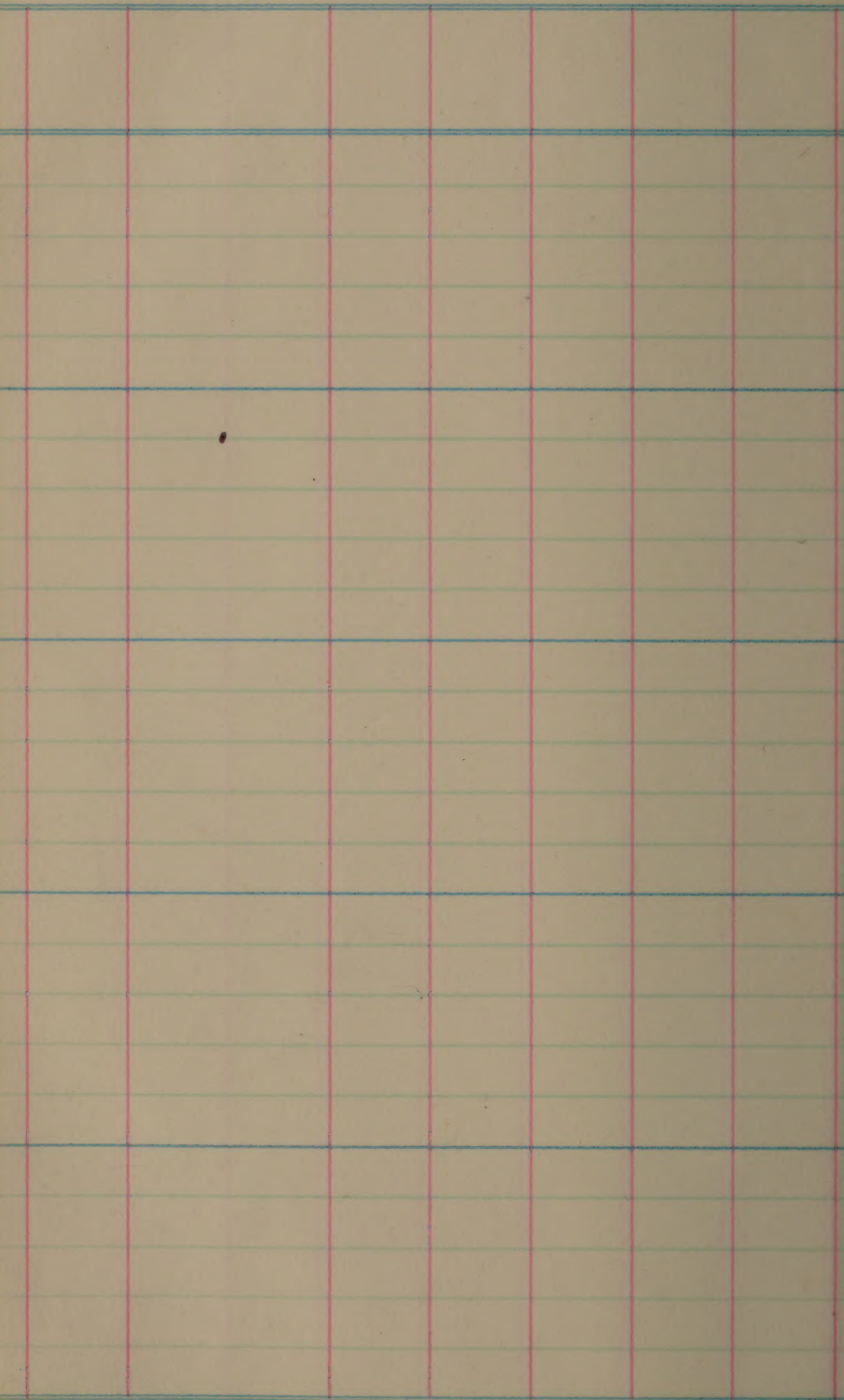


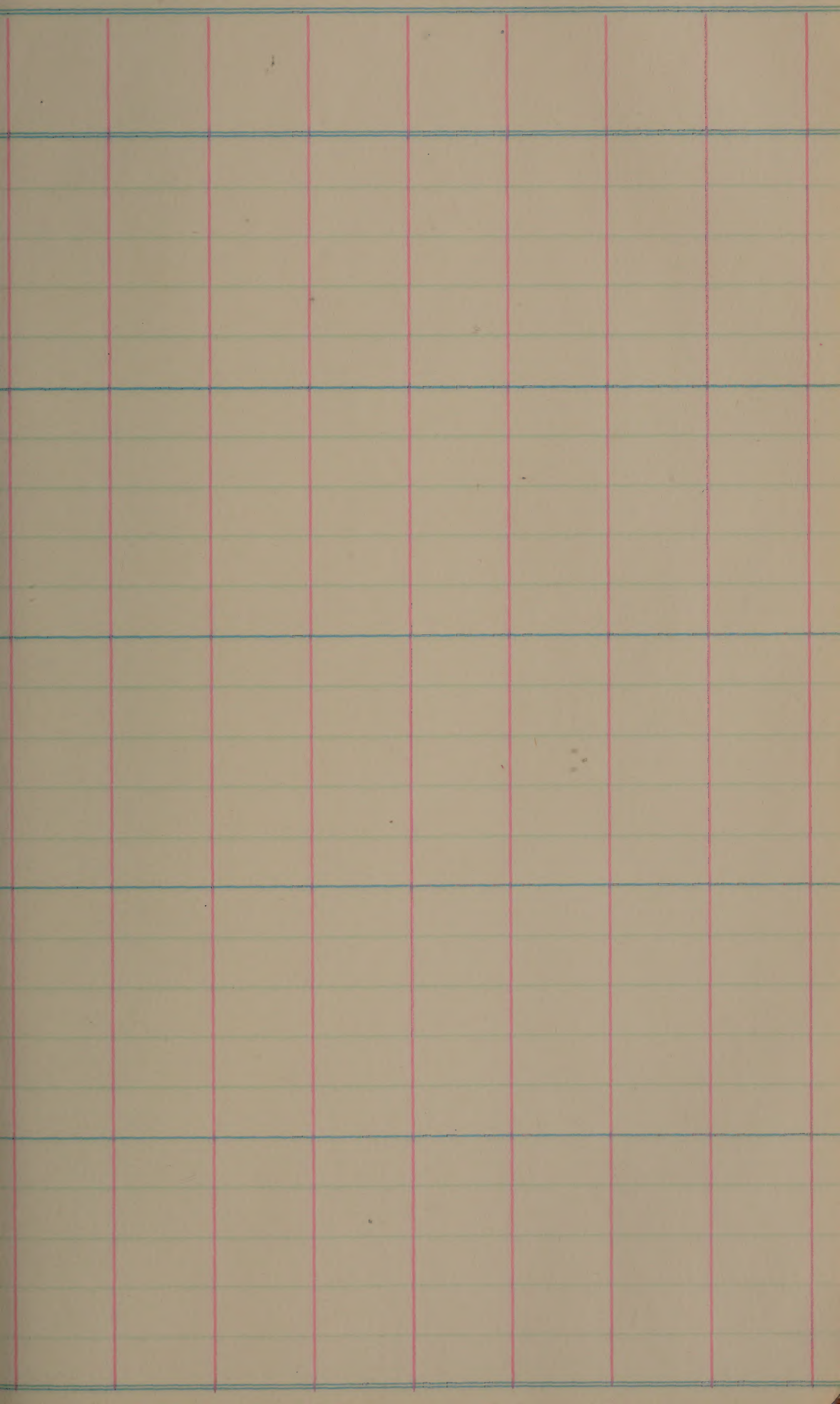


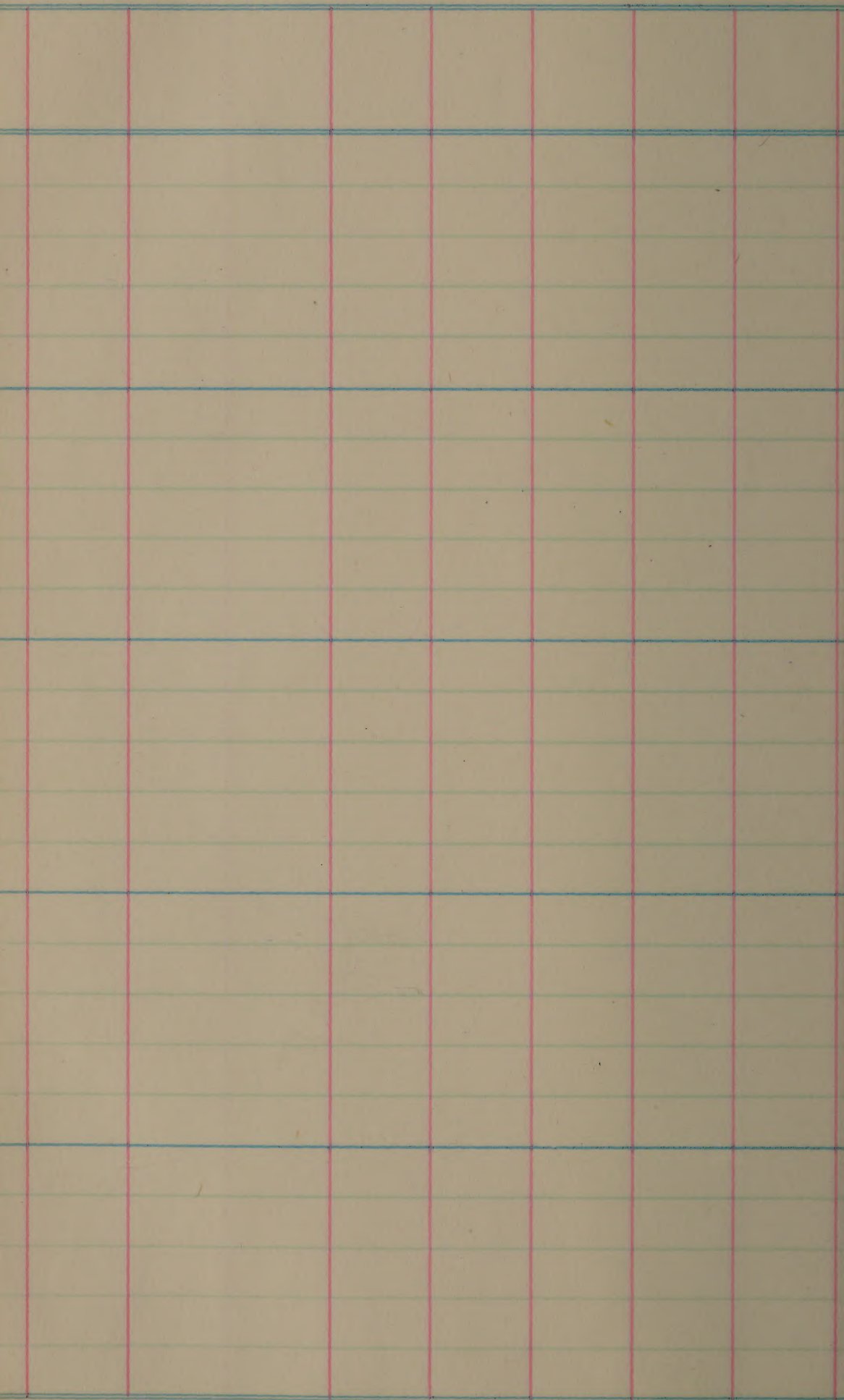


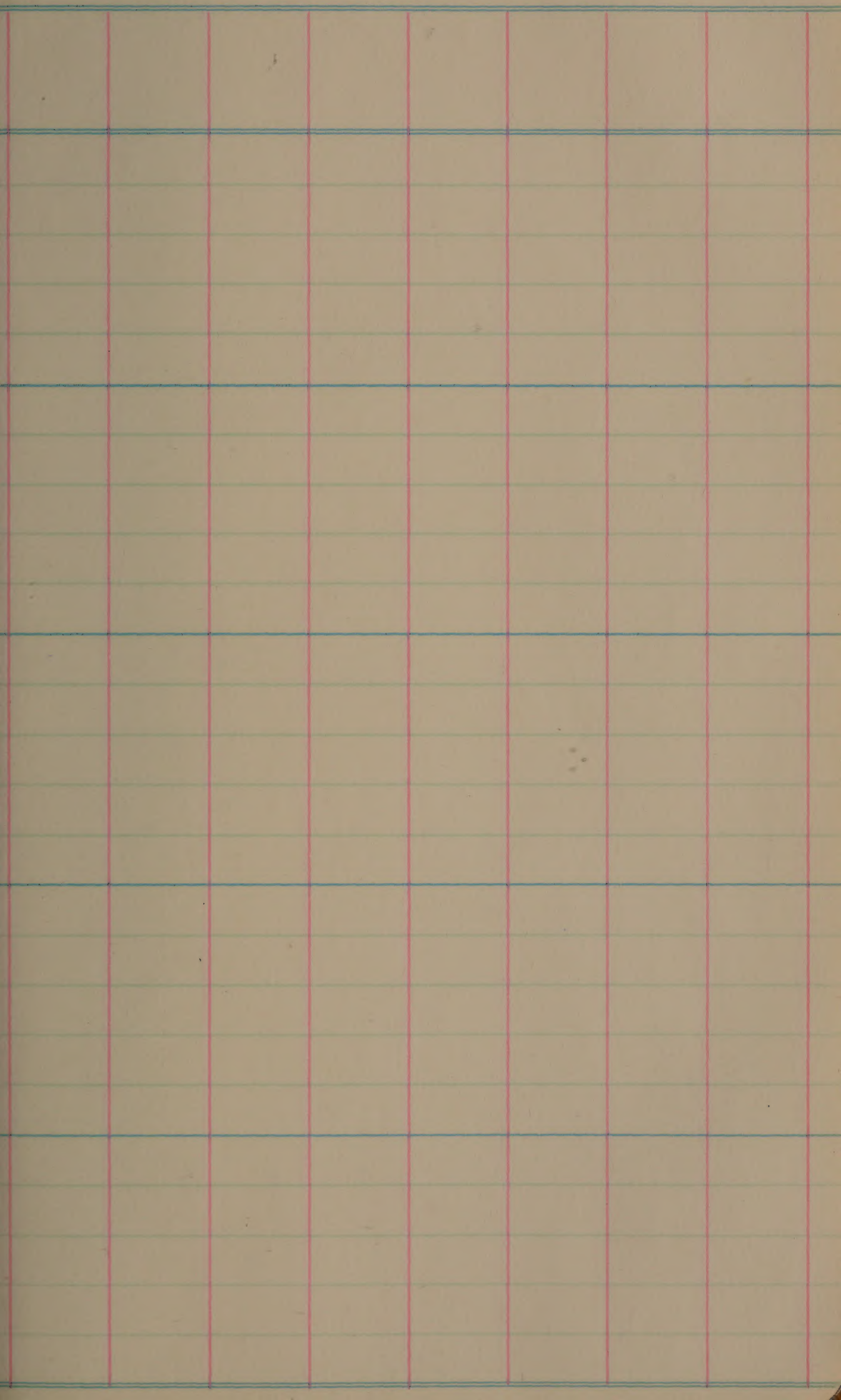


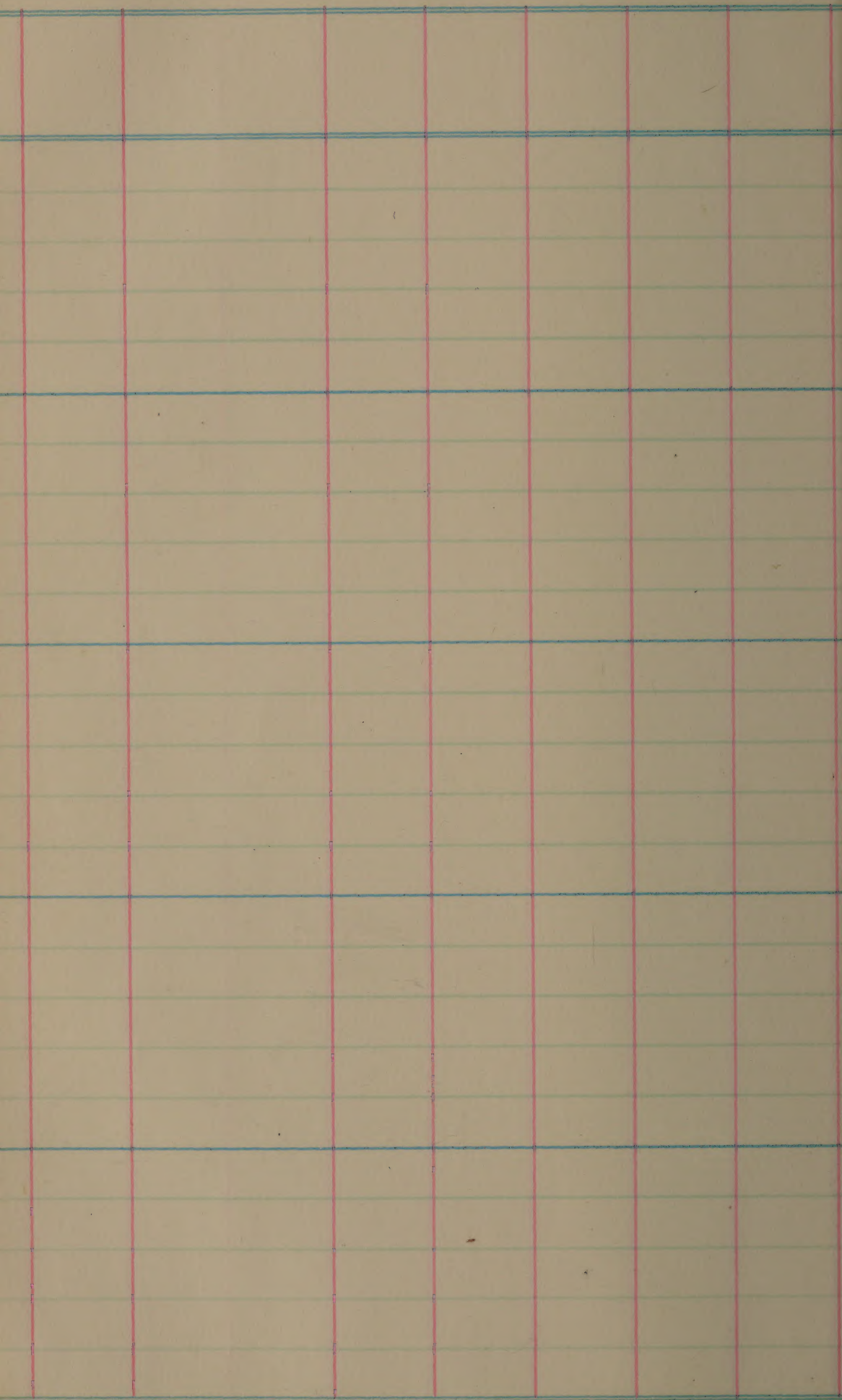


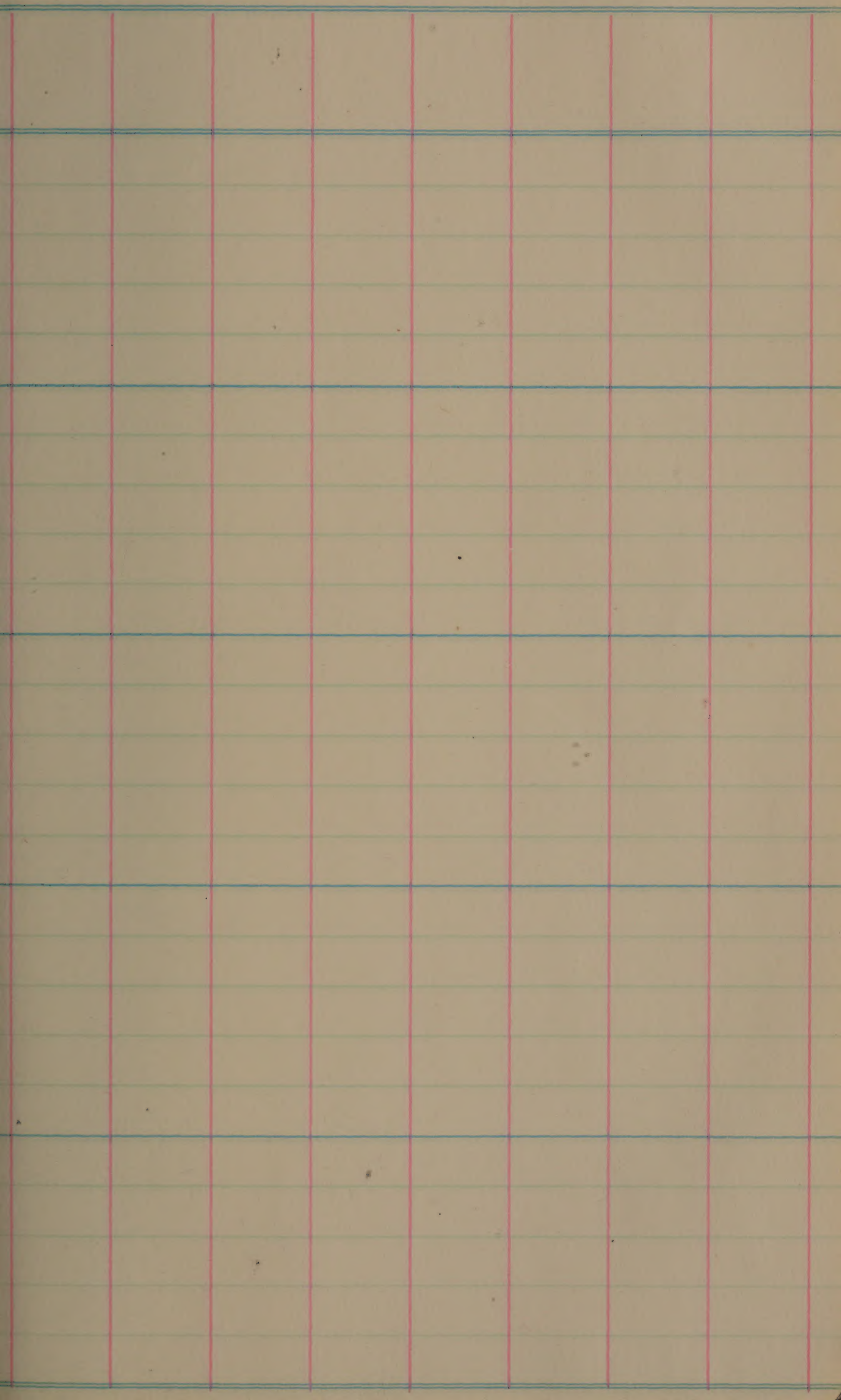


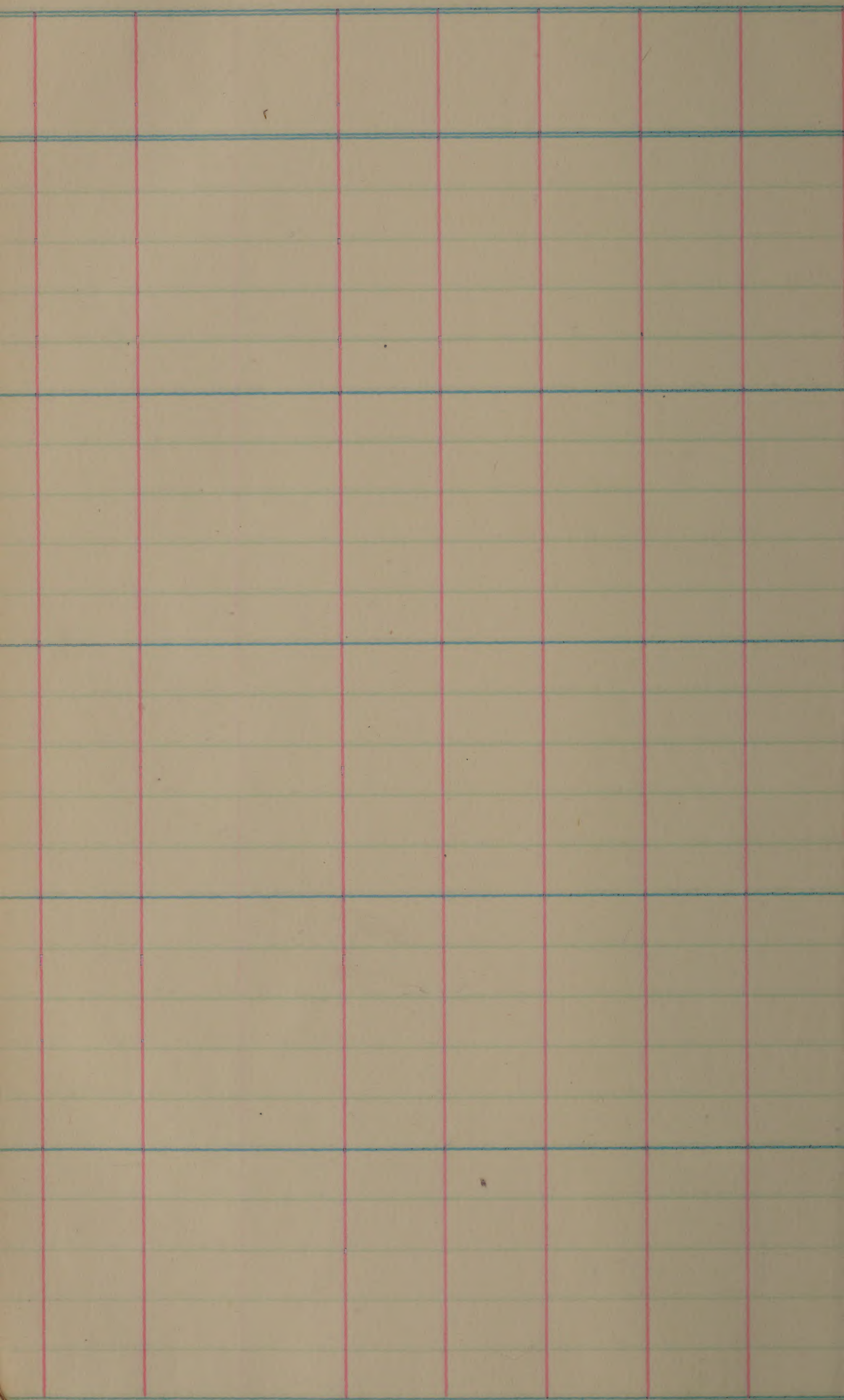


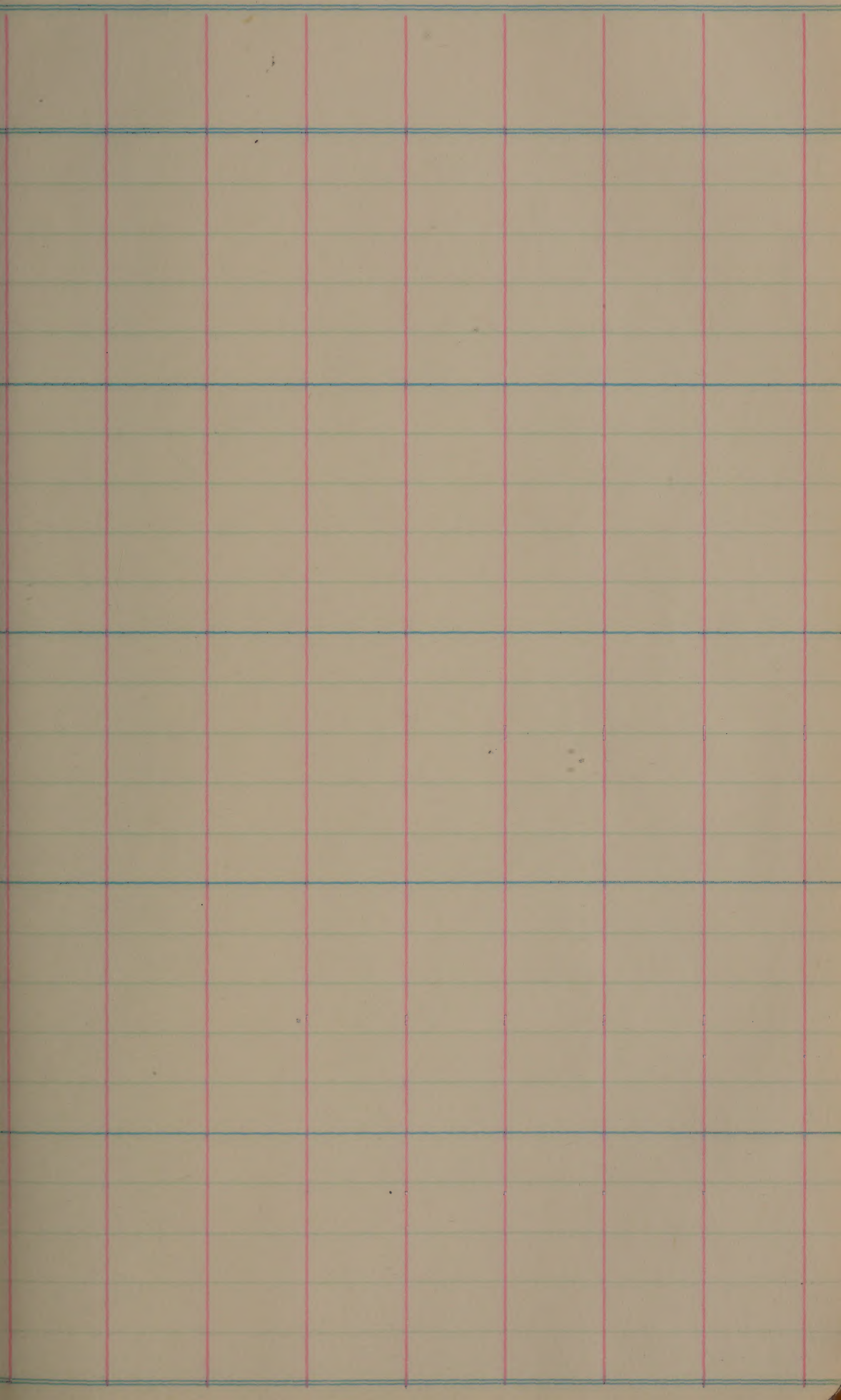


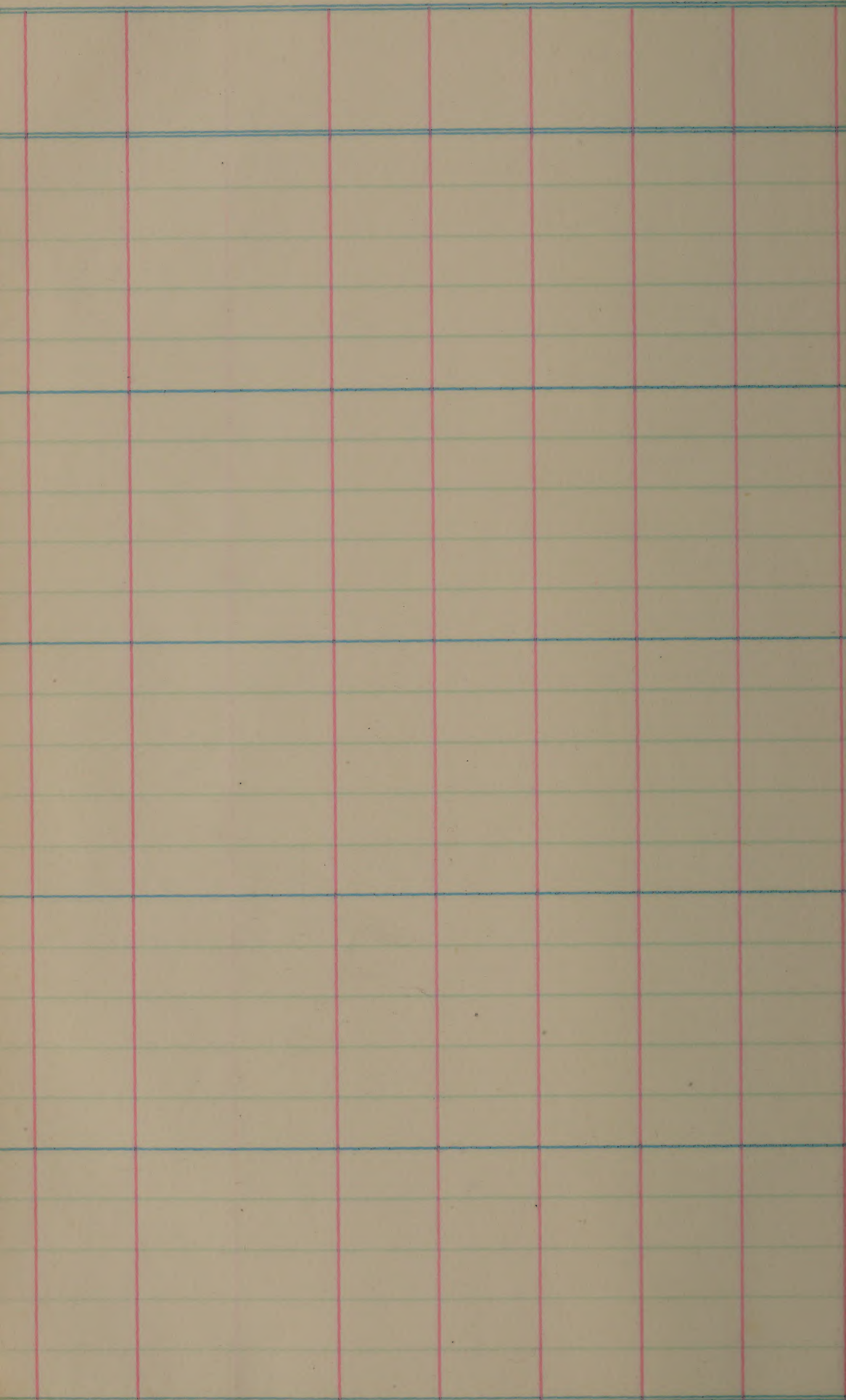


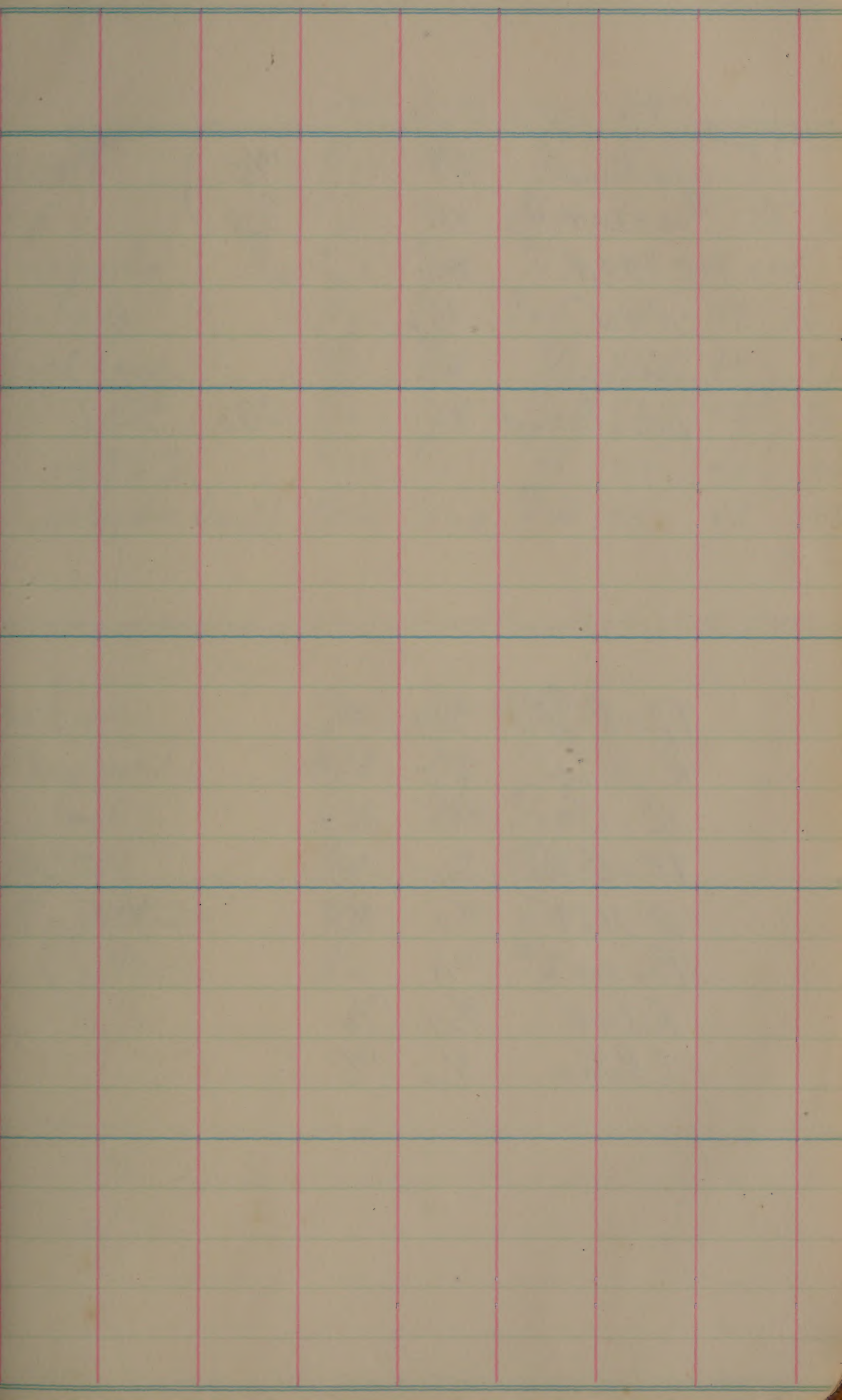










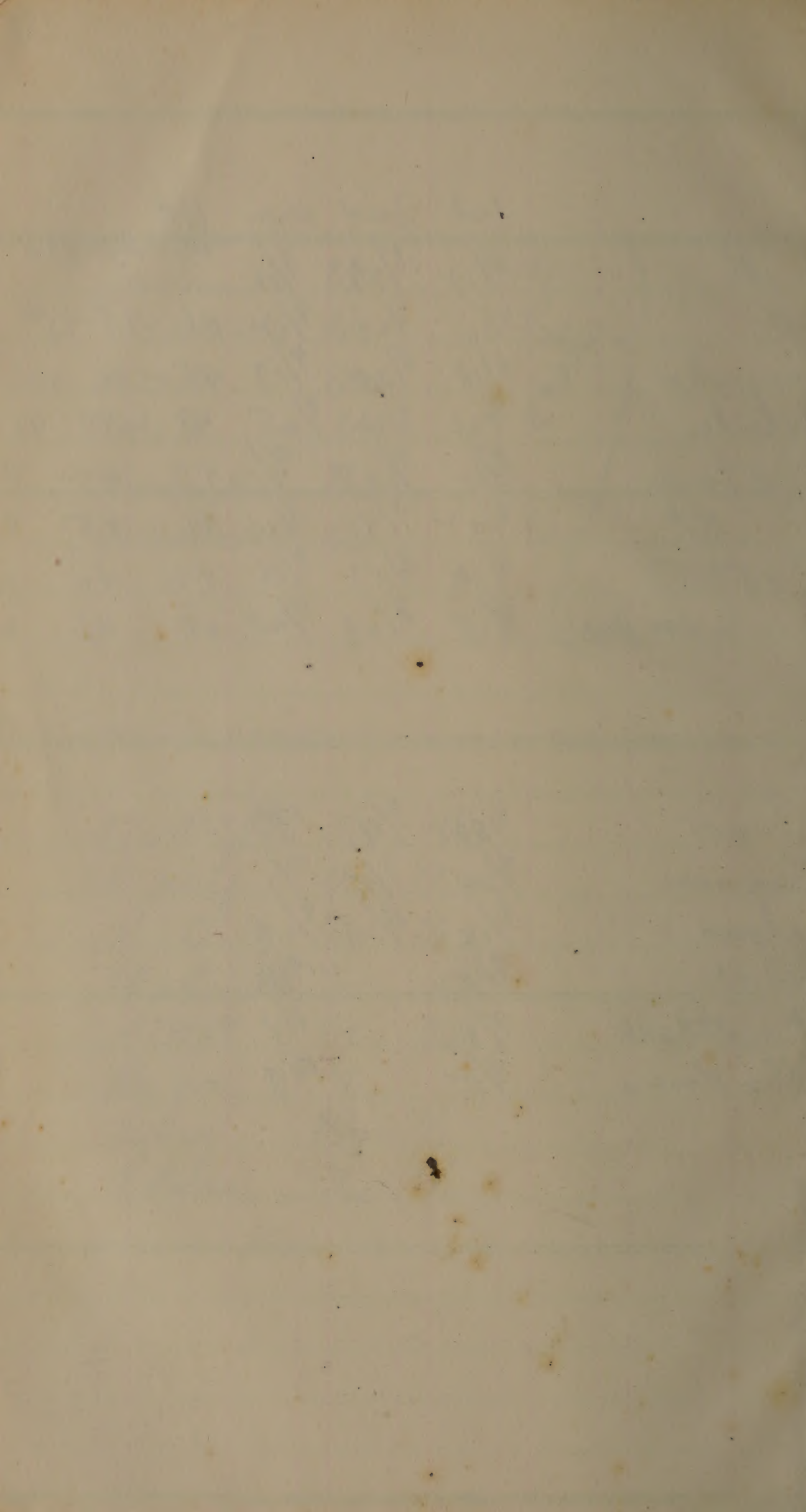


Fortuna	9/8	10/5
4033A4-43	9/11	9/28
C322A	9/10	
RxN	9/12	
Mra	9/13	
Bluebonnet	9/3	9/30

TPxR-SBR	9/27	10/2
R-Riff	9/15	9/25
R-D	9/18	9/27
TPxR-7689	9/25	10/3
R-7689	9/19	9/28
Rex pro	10/1	
Relief	9/27	10/6
T. Patna	9/20	10/1

	1st	2nd	Ripe	HT
girth	8/17	8/27	9/16	43 - 44 - 42
ep	8/16	8/27	9/17	46 - 47 - 45
magnolia	8/18	8/30	9/19	45 - 46 - 45
Prelude	8/21	9/2	9/25	48 - 49 - 46
Hill Long	9/1	9/10	9/30	49 49 - 4
R-SBK	8/22	9/4	9/26	46 45 4
Zx8323	8/16	8/27	9/18	42 40 4
Crowley Sm. Hull	8/17	8/29	9/20	45 43 4

arkness	8/30	9/7	10/1
Kamree	8/28	9/5	10/1
Caloro	8/16	8/27	9/20
BK41	9/4		10/1
Smoothshell	9/8		9/8
Blue Rose	9/5		10/7



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BUREAU OF PLANT INDUSTRY
Division of Cotton and Other
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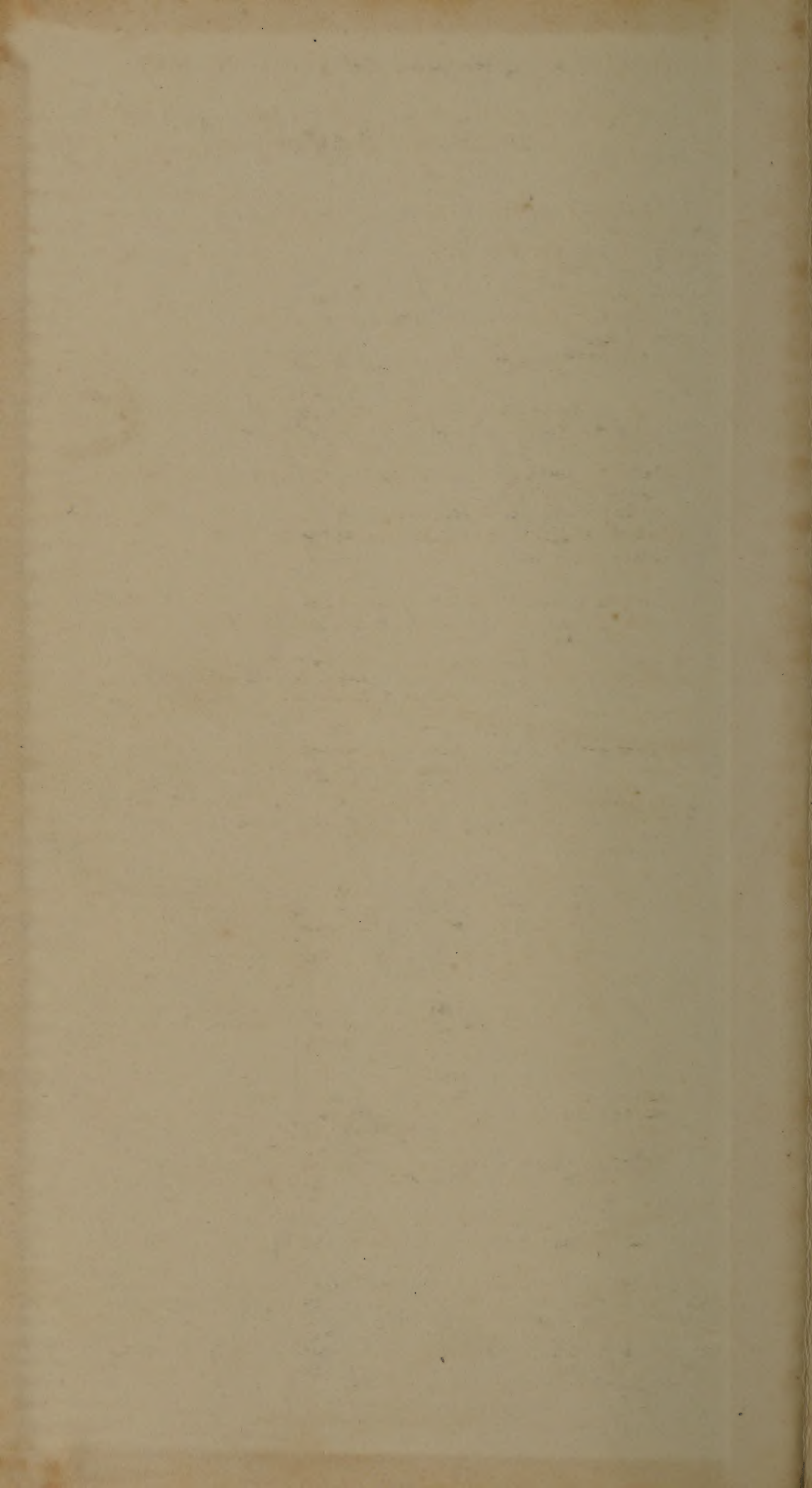
1946

UNITED STATES
DEPARTMENT OF AGRICULTURE

FIELD NOTES

BUREAU OF PLANT INDUSTRY
DIVISION OF COTTON AND OTHER FIBER CROPS
AND DISEASES

outfield



SUGGESTIONS CONCERNING FIELD DATA AND NOTES

DIVISION OF COTTON AND OTHER FIBER CROPS AND DISEASES

It is suggested that the following general information be recorded for each field experiment:

1. Name of experiment or study.
2. Soil type.
3. Previous crops and fertilizers (2 years).
4. Preparation of land: (a) Methods (b) Dates
5. Size of plot:
 - (a) Area in square feet
 - (b) Number of rows
 - (c) Length of rows
 - (d) Width of rows
6. Fertilizer:
 - (a) Pounds per acre
 - (b) Analysis (N-P-K)
 - (c) Time of application
 - (d) Method of application
 - (e) Side dressings
7. Planting: (a) Date (b) Rate (c) Method
8. Thinning: (a) Date (b) Method (c) Approximate optimum spacing attempted
9. Cultivation: (a) Implements used (b) Dates
10. Dates at which all notes and samples are taken.
11. Dates of pickings.

The following suggestions are made in regard to recording data:

1. Record all dates as figures, giving the month and day of month, as 5/16 (May 16).
2. Record all field weights in pounds and decimal fractions of pounds. The requisite accuracy depends somewhat on the size of sample, but for ordinary size plots 0.1 pounds is usually satisfactory. It is suggested that small samples be weighed more accurately (0.01 pound).
3. Estimations, such as seedling vigor, shedding, color, etc., may be recorded either numerically or with letter designations, as is found convenient; for example (seedling vigor), 1=Excellent, 2=Good, 3=Medium, 4=Fair, and 5=Poor; or E=Excellent, G=Good, M=Medium, F=Fair, and P=Poor. An explanation of legends should be recorded for each variable and experiment.
4. Diseases and insect pests:
 - (a) GENERAL.—Attack by diseases or insect pests should be recorded by suitable legends to indicate type of disease or pest, percent of plants killed or affected, and in serious attacks, estimating crop loss. For example, FW *5/35-7 (Footnote* Fusarium wilt 5 percent plants killed, 35 percent affected, 7 percent loss estimated).
 - (b) SPECIAL.—Where the book is used for taking notes on regional field tests on disease resistance, treatments, etc., it is suggested that directions which are furnished for taking uniform data be pasted, or copied, in the front of the book.
5. Diagram, to scale, the block on which each experiment is conducted, showing visible soil differences, variable plant response attributable to soil differences, drainage, or unequal irrigation, slope of land or contours, and any other features which may materially assist in interpreting the results. The square ruled paper in the front of the book may be found useful for this purpose.
6. Explain clearly all legends used.
7. Identify all experiments as to location on blocks and YEAR.

For types of experiments for which this book does not provide ample page space, larger sheets should be utilized. In taking data, which are to be reported in this book, or on larger sheets especially provided, the field or laboratory determination should be written directly, at the time of weighing or otherwise determining, and submitted to Washington, or filed as the permanent record. Avoid all possible transcribing or typing of raw data.

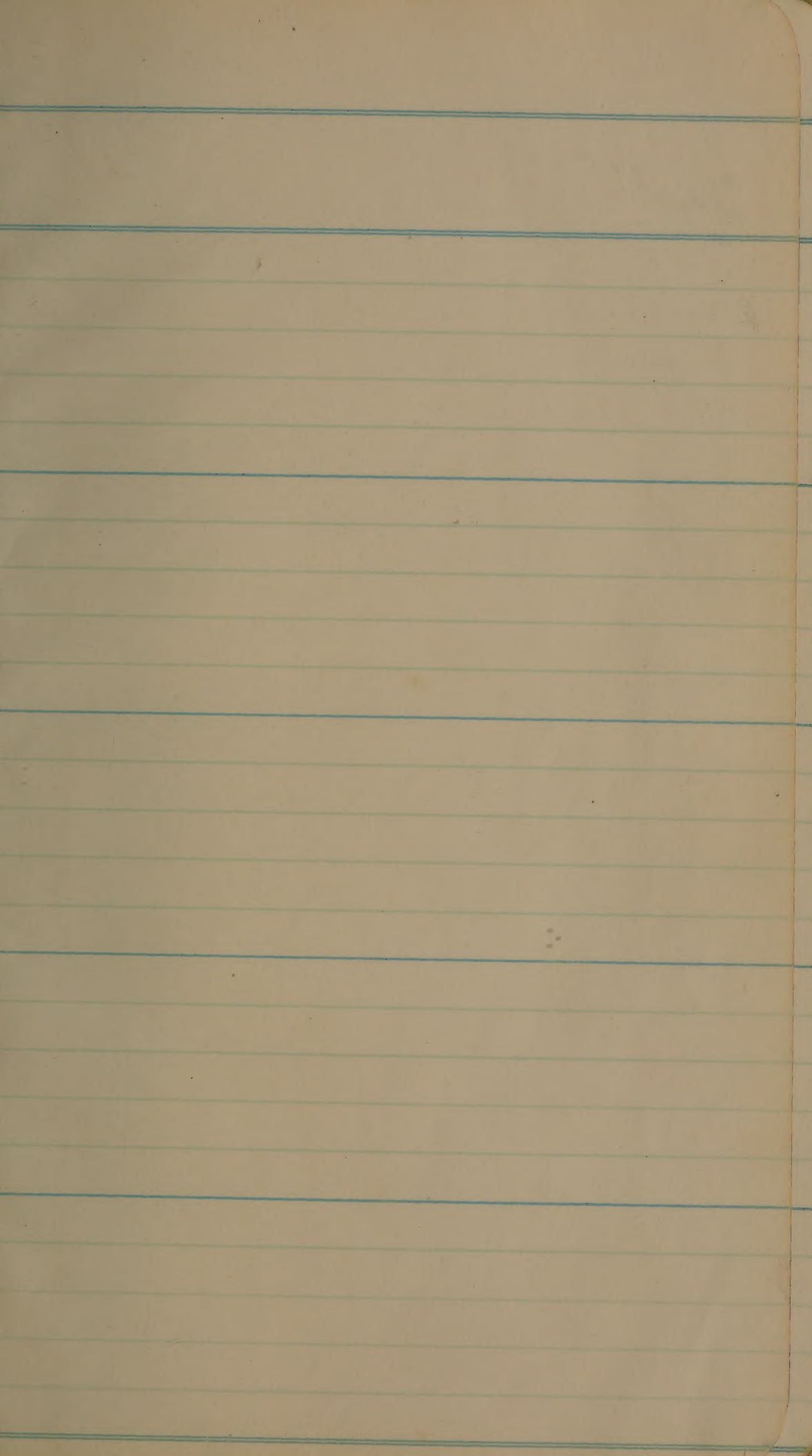
Smith

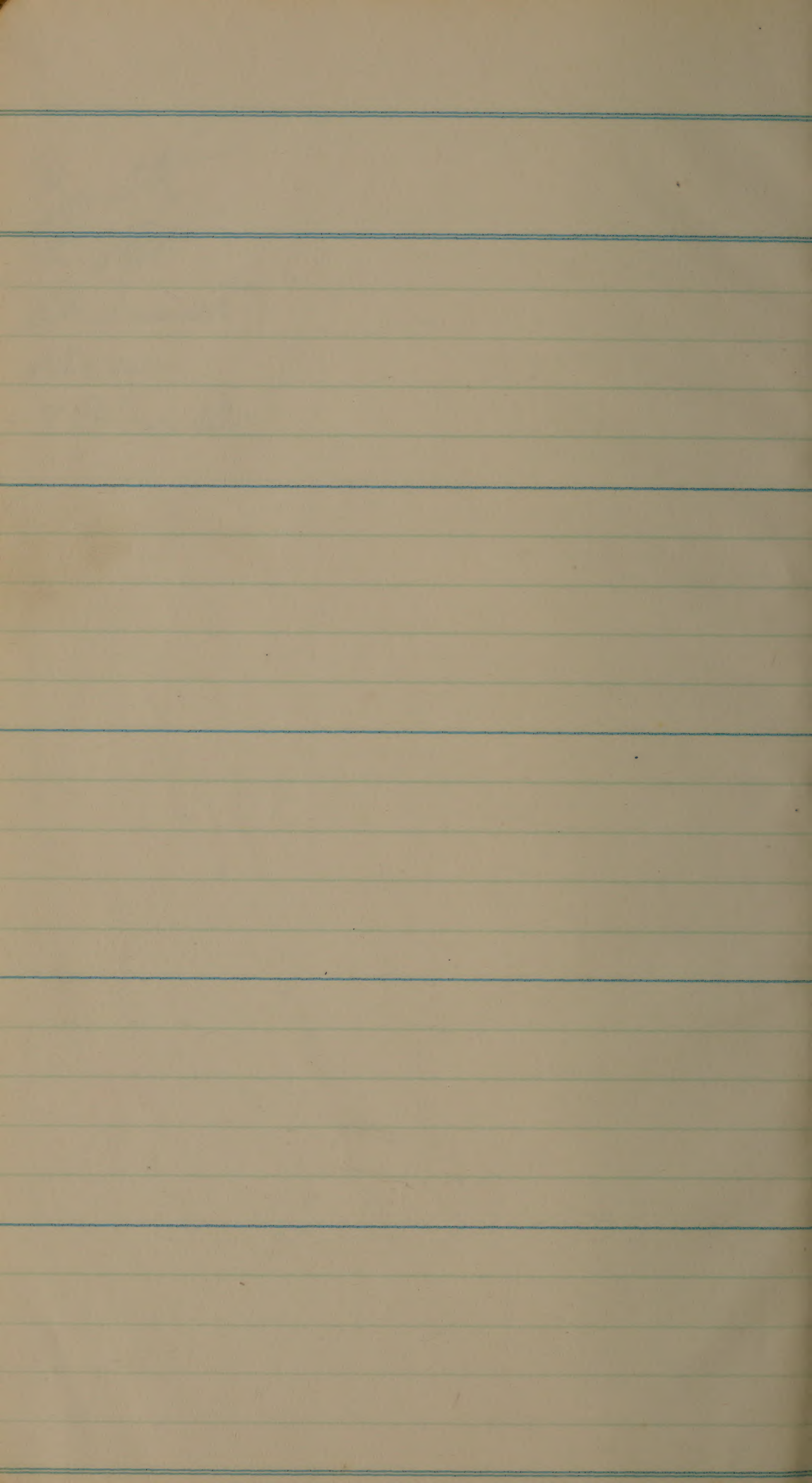
R. S. B. P.

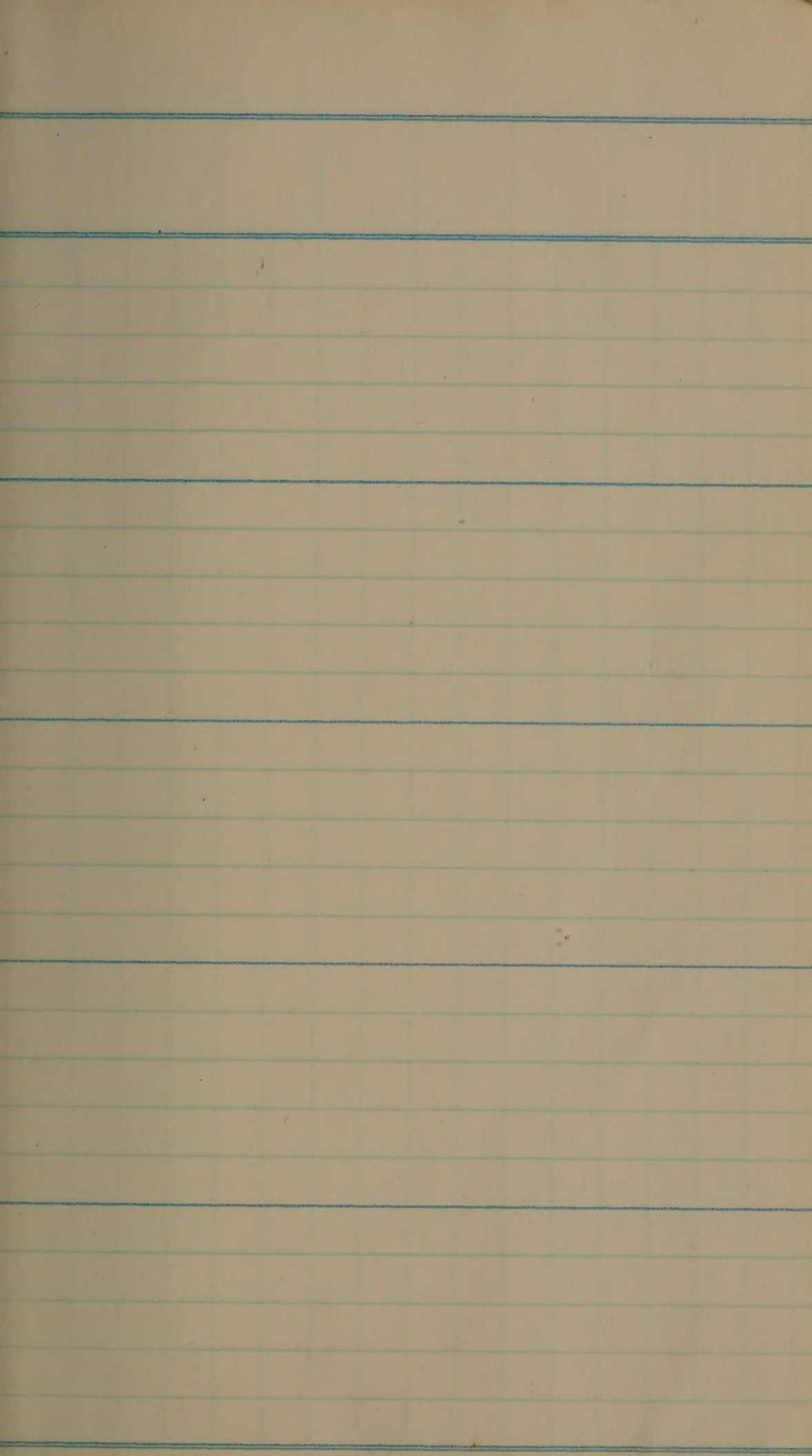
Blushomet

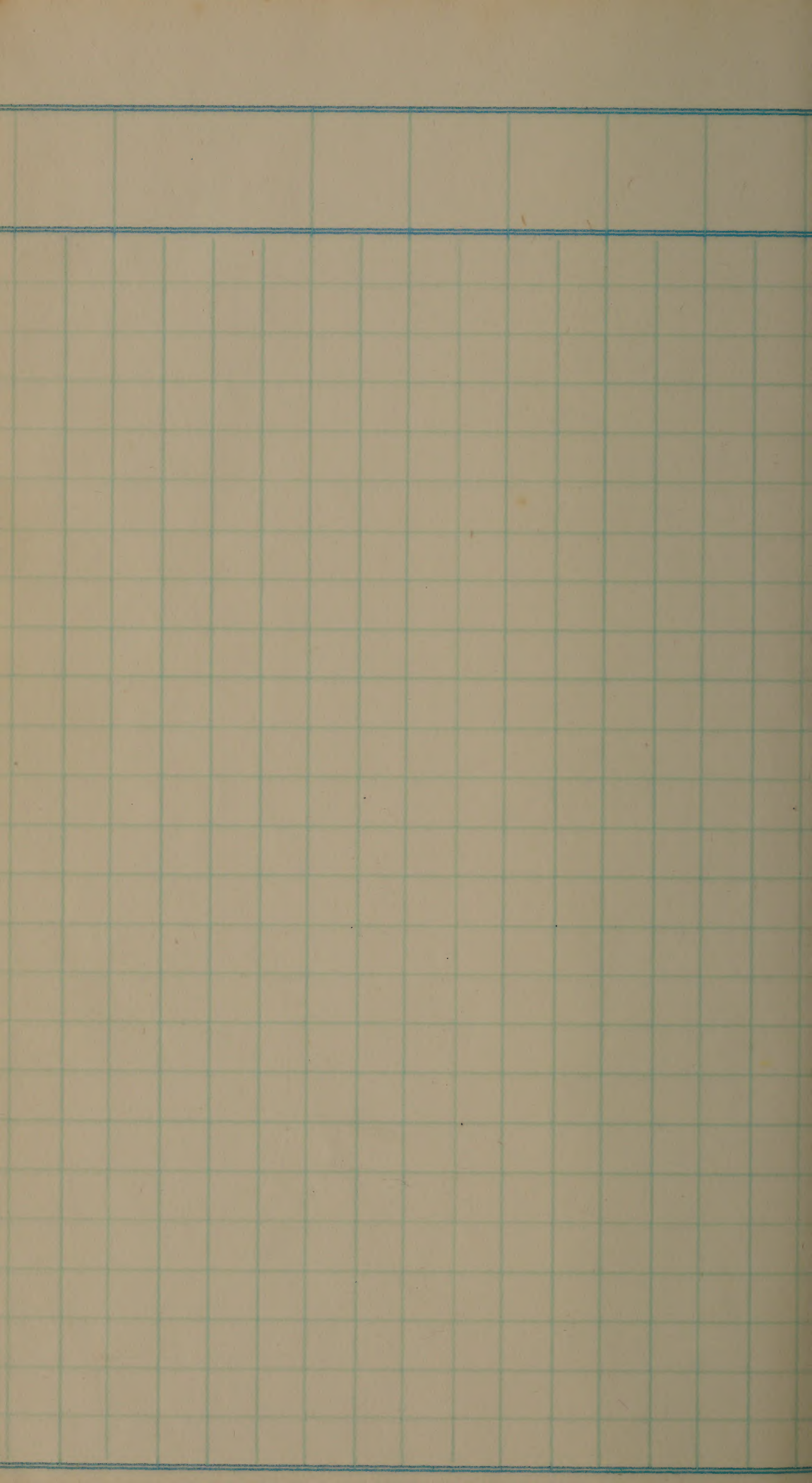
Rever.

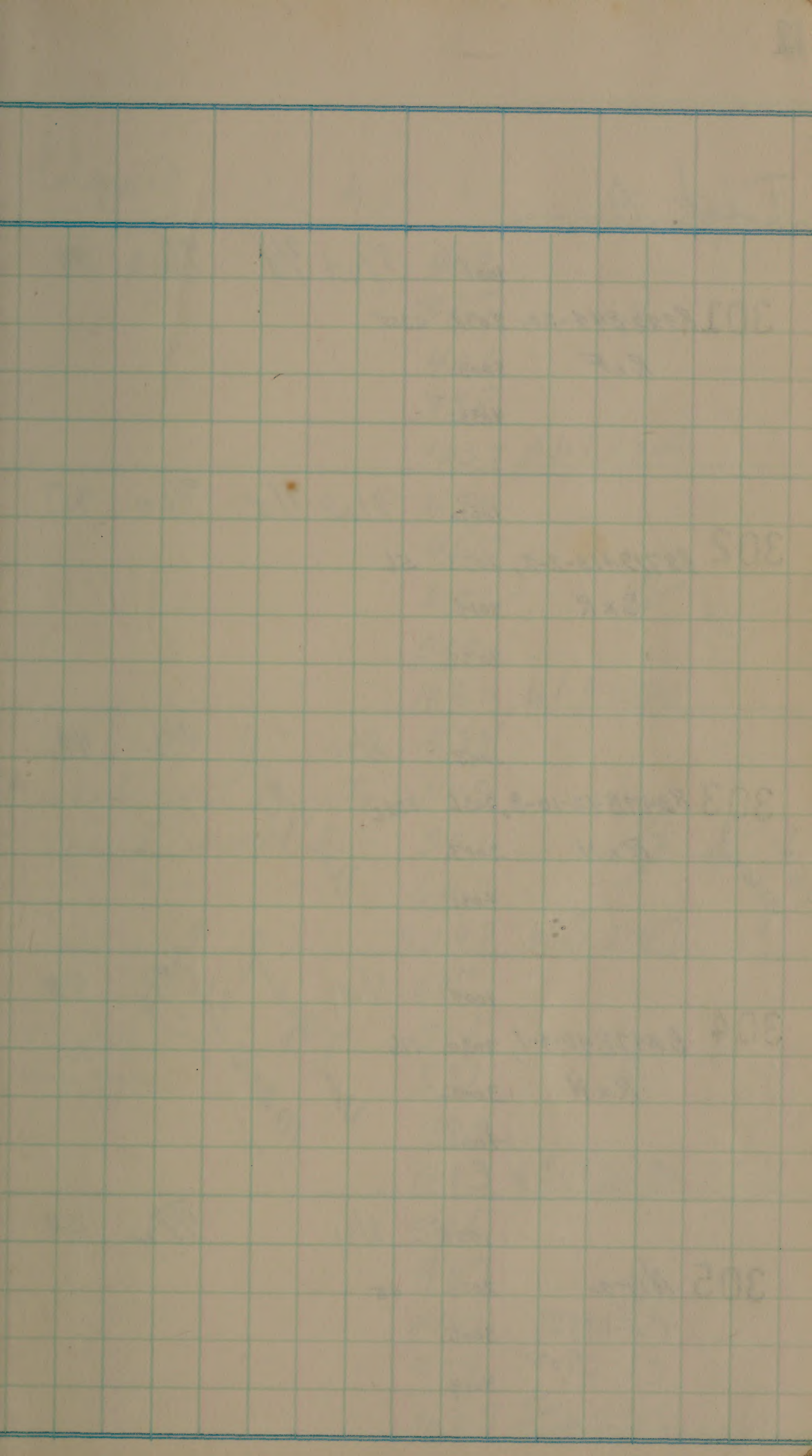
T. Patna Sd.











Test A

1001

8/27 9/3

9/23 51

301 B322 B44-20, 2032 2355

R x F

3003

4033

1002

8/28 9/5

9/30 47

302 B3713A13-2-2, 2033 56

S x R

3014

4032

1003

8/30

10/2 48

303 B347B42-10-8, 2036 5326

R x N

3007

4031

1004

8/29

10/1 50

304 B347B40-9-1, 2030 196

R x N

3002

4036

1005

8/31

10/2 63

305 Nira

2029

45

TS-19926

3006

CI-290V

4019

win group

win group
10 acre block

Lodgepole CO

O S

408

385

406

338

1537

O R

474

405

432

519

1830

O R

534

Does look much worse than 443

40-4, much smaller straw, 521

600

2098

O R

448

Very good straw - stop 514

very green 521

430

1913

O R

396

407

440

394

1637

Very good gold hull ab. gr type
must too tall. Excellent gr type
Some CO, prob foot reaction

Short straw, very uniform ht, Hvy
stiff straw, very uniform ht, need
leaves, very green vegetation

Very uniform ht, gold hulls
no CO, quite bad for H₂O
shorter straw than B40-9. V. good
flag leaves not as erect as B40-9
finer stemmed than other sets, no
fairly good

Considerably taller than 100x on 7/19
Very tall, Hvy

18 108

51.2 2306

12

61.0 2745

3

heads.

64.9 3147

9

63.8 2870 17.7

15

54.6 2456 15.2

306

No guard

1006

8/31

10/2 48

B347B44-23, 2035 2279

R x N

3011

4027

307

1007

8/31

10/2 49

B347B44-28, 2027 2285

R x N

3001

4023

308

Fortuna

1008

8/24 9/4

9/25 52

Fortuna

2019 41

TS-982/

3008

CI-1344

4024

309

*Pamela
Sala
green station
than
310
on 10/22/46
V good*

1009

8/29

9/29 47

B322B44-21, 2026 2356

R x F

3016

4029

310

*Cust
guard*

1010

9/2

10/6 49

B322B44-3, 2022

R x F

3015

4026

2357

O	R	568
Straw is very much like B42-10		493
		527
		<u>445</u>
		2033

O	R	530
St taller & straw a little		543
coarser than B42-10		545
		<u>435</u>
		2053

O	T	357
		461
		429
		<u>374</u>
		1621

O	R-	478
Possibly a few same plants		516
to Fortune race.		469
		<u>481</u>
		1944

O	R	590
Possibly same to Fortune		563
race		621
		<u>560</u>
		2334

Very uniform lot, very much like B 42
One of very best

Irregular lot, otherwise much
like B 44-23

almost as tall as Nina on 7/9, Taller
than other sets at this time.

Exceptionally green straw
grain is shorter than B 42, but
has cleanest, greenest straw of any
set. Watch make sets.
Has largest straw of any.
Very productive, greener straw
than average but a bit later.
looks to be the same as B 44-5

b

67.83050

4

68.43080

14

59.02432

8

64.82916

1

77.83501

311 C322A6-23, 1011 8/30 9/29 45
 R x F 2025
 3019
 4035

Crowley-8023

312 B322B44-5, 2023 1012 9/1 10/5 51
 R x F 2339
 3004
 4034

312
 B322B44-5
 R x F
 2023
 2339
 3004
 4034

313 B322B44-13, 1013 8/26 9/3 9/28 49
 R x F 2024 2348
 3010
 4020

314 B322B44-18, 1014 8/24 9/1 9/28 52
 R x F 2031 2353
 3018
 4030

315 B347B44-7, 1015 8/29 9/4 10/1 55
 R x N 2037 2263
 3020
 4038

0	S	512
	man-b	471
		455
		<u>530</u>
		1968

0	R	537
possibly same to Fortune race		634
		573
		<u>507</u>
		2251

0	T	368
		442
		422
		<u>358</u>
		1590

0	T	386
		364
		325
		<u>380</u>
		1455

0	R	440
		341
		435
		<u>423</u>
		1639

Stork properly, looks very good
on 7/19, short sturdy straw,
much discoloration due to race &
vegetation dries but too rapidly

very productive line, uni ht.
Fortune grain type, straw
hulls, Mia maturity & good
green vegetation, Prob stiffest straw
in lot

Very green vegetation, looks like
poor yielder. Bears watching

Very similar to B44-13 but
sl. taller. Trace Co

as tall as Mia on 7/19,
looks very much like Mia on 7/30

7

65.6 2952

2

75.0 3376

16

53.8 2385

48.5 2182

13

54.6 2458

316

B347B44-8, 2034 2264

RxN

3017

4022

1016

8/29 9/5

9/30 53

317

B44-2764, 2020 321

Gold Bluebonnet 3905

4039

1017

9/28 9/5

49

318

B45-2389,

2021 2389

RxF

3009

4028

1018

8/23 9/2

51

319

Bluebonnet

2038 39

TS-33104

3012

CI-8322

4021

1019

8/23 9/2

9/24 51

320

B347B44-13, 2039 2269

RxN

3013

4025

1020

9/30

10/3 50

Lodya

0	R	382
		393
		408
		<u>355</u>
		1538

0	S some S to Row 6	445
		510
		482
		<u>418</u>
		1855

0	S to row 6	330
		449
		363
		<u>342</u>
		1484

0	S ^{pan} stand	332
		275
		471
		<u>396</u>
		1474

0	R	510
		494
		510
		<u>398</u>
		1912

Very green vegetation
quite tall, very long grain

Badly discolored vegetation
on 10/6. Durand

Looks very good, sl. earlier
+ shorter straw than BB
Irregular ht, looks like
poor yielders

Average on 10/6, considerable
Co, prob race-b. Not as
good straw as a number of the
other sets. Slugg

Best yielding, best looking set in
test, very uniform ht, v. green
straw, short sturdy straw.

v. long headed.

Best grain types

11

51.3 2307

11

61.8 2782

19

49.5 2226

20

49.1 2211 13.6

10

63.7 2868

1021

9/30

10/3

50

321

B347B44-15, 2028 2271

cut
ground

RxN

3021

4037

~~1021~~

~~1021~~

~~1021~~

~~1021~~

CO

0

R

572

512

512

431

2027

Very much like B44-13 but
more irregular lit. green seg.
CO resistant.

Co

R

6

67.6 3040

Test B.

		1022	8/13	8/22	9/15	40
322	B403/A1-3-3,	2002	54			
	TPx R-SBR	3024				
		4011				

		1023	8/18	8/20	9/20	45
323	B403/A1-24-1,	2018	319			
	TPx R-SBR	3039				
		4015				

		1024	193	8/13	8/14	9/20	40-45
324	B44-2661,	2009	2253				
	Hill Sol.	3025	2254				
		4006	2255				

		1025	8/21	8/29	9/21	49
325	B44-2653,	2004	313			
	Hill Long Grain	3029				
		4016				

		1026	8/16	8/25	9/19	46
326	S41-10609,	2006				
	Rx SBR	3036				
		4001				

Stuttgart

	Co	
0	R.P.	335
		507
		341
		<u>404</u>
		1587
0	Seg	450
		471
		276
		<u>439</u>
		1636
0	S	358
	mu-b	331
		318
		<u>366</u>
		1373
Bad	S	272
	mu-b	441
		268
		<u>364</u>
		1345
sl	R.P.	580
	P?	451
		331
		<u>450</u>
		1612

Earliest selection in test
very short straw, stiff straw
not as good as R-SBR

Taller & more productive than 1022
irregular lot; not as stiff straw
Thin strawed

193 prob. seg. maturity —
all 4 selections appear to be
acquiring for maturity.
Standing better than other earlier

Taller than other types
much lodging, prob. bird damage

Standing as well as any of the
the earlier,

9

SSC

52.9 2380

5

SSC

54.6 2454

15

SSC

45.8 2060

17

SSC

44.8 2018

9

SSC

53.7 2418

14.9

1027 8/22 8/30 9/22 47
 327 B4033A4-15-3, 2001 59
 TPx R-7689 3035
 4013

1028 8/23 8/31 9/23 46
 328 B4033A4-15-3-9, 2003 5353
 TPx R-7689 3023
 4008

1029 8/24 9/2 9/24 52
 329 B4033A4-18, 2007 60
 TPx R-7689 3028
 4009

1030 8/25 9/4 9/26 48
 330 B4033A4-30-4, 2005 5176
 TPx R-7689 3034
 4012

1031 8/23 8/31 9/24 50
 331 B4033A4-43-4-1, 2013
 TPx R-7689 3027
 4005

Lodging

Co

0

S

335

429

7

325

383

1472

0

S

302

398

400

309

1409

0

S

280

330

311

381

1302

0

S
not as
bad as
some

435

537

453

573

1998

d

S

409

412

338

434

1593

only fan appears to be
light for grain + co suc.

same as A4-15-3

much too tall coarse

Very sturdy straw
excellent Paton type

Very much like A4-30-4 but
it taller + straw not as sturdy
greener straw + possibly shorter
than Stock duck

11

TSE

49.1 2208

12

8SE

49.2 2114

13

8SE

43.4 1953

1

66.6 2997

8

53.1 2390

332 1032 8/24 9/2 9/25 50
B4033A4-43-4-3, 2008 5370

TPxR-7689 3030

4017

333 1033 8/21 8/29 9/22 48
B4033A4-43-3, 2014
TPxR-7689 3038
4002
OT-Increase
from 1944 plot 2867

334 1034 8/27 9/5 9/29 46
B4033A4-47-1, 2011 324

TPxR-7689 3031

4004

335 1035 8/29 9/5 9/29 46
B4033A4-47-15, 2010 4169

TPxR-7689 3022

4007

336 1036 9/2 10/3 50
B44-2719, 2012 341

Stockdick 3032

Rexoro 4010

Co

0

S

495

490

323

415

1723

0

S

308

395

290

360

1353

0

S

very little CO

361

459

468

421

1709

0

S

v. little CO

390

422

393

431

1636

sl

S

494

476

518

422

1910

Very much like A4-43-4-1
sl. more uniform ht + looks
heavier in 1st series
v. good straw, stiff

Irregular ht v not a production
as other A4-43 lines, is
earlier.

Both A4-47 lines very
much alike, v. uniform
ht. Heavy,
Very uni ht, stiff straw
in 4th

Both A4-47
lines have
very stiff erect
straw.

Too tall, Heavy plot height
ht and co. etc. make it
undecidable

SEE

3

57.4 2584

SEE

16

45.1 2030

SEE

4

52.8 2564

SEE

5

54.5 2454

SEE

✓

63.7 2865

337 1037 8/24 9/4 9/26 48
 B4026A5-6, 2017 61
 R-7689 x R 3033
 4003

338 1038 8/26 9/5 9/26 48
 B4026A5-6-1, 2015 2191
 R-7689 x R 2037
 4014

339 1039 8/22 9/31 9/24 49
 B4026A5-31-3, 2016 2199
 R-7689 x R 3026
 4018

60

0

S

366

342

309

370

1387

0

S

306

389

290

412

1397

0

S

331

393

370

390

1484

Irregular ht. herds
rather short, prob no leth
stew than A4-40 line

Rather tall, bod for Gb.

14

46.2 2080

13

46.6 2096

10

49.5 2226

37

Bay City Variety Test:

Early Varieties:

340	Harper	1	Harper
	Zenith		

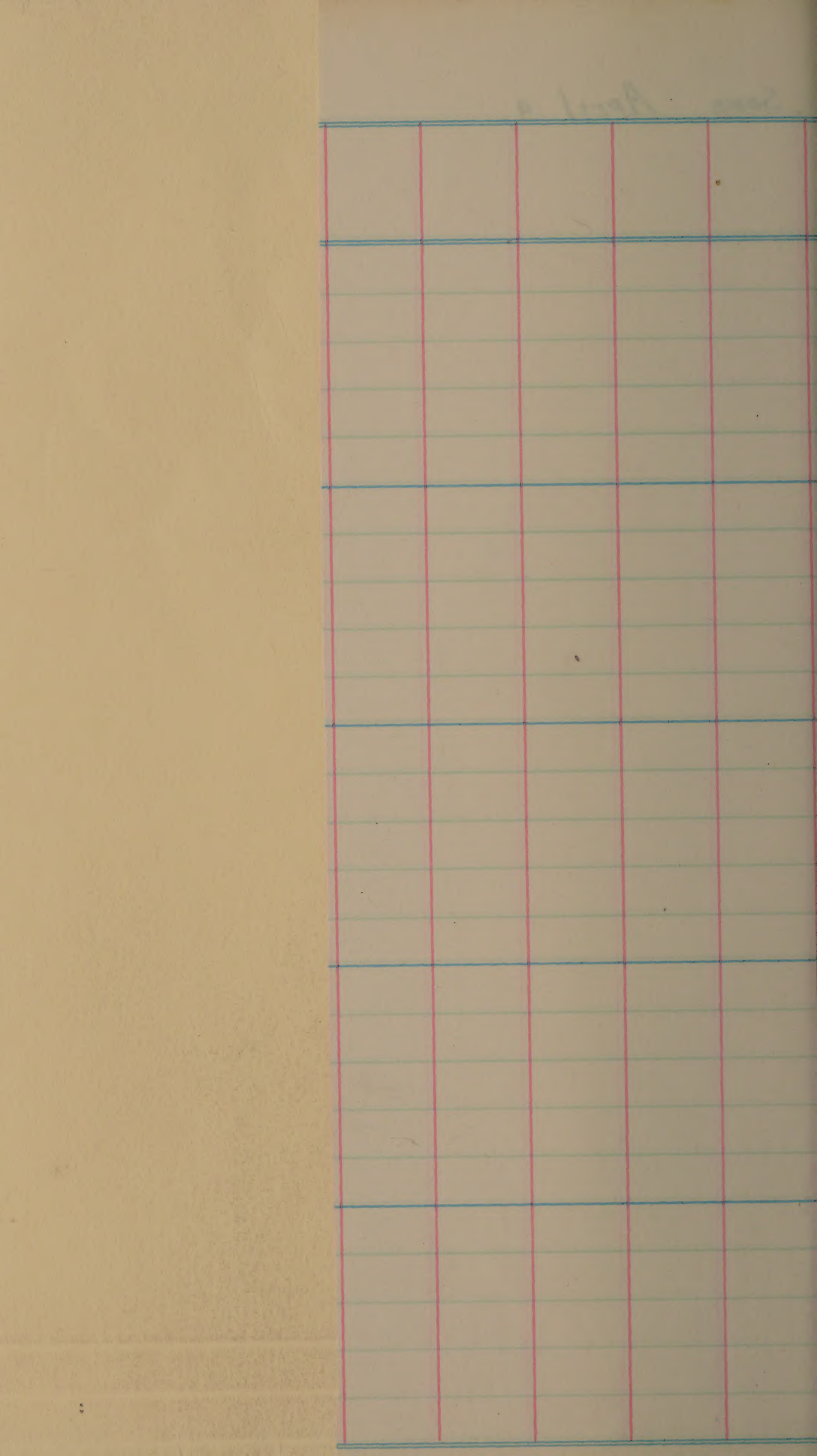
341	Zenith	2	3
-----	--------	---	---

342	Early Prolifics	1	
-----	-----------------	---	--

343	Magnolia	4	5
-----	----------	---	---

344	Prelude	5	6
-----	---------	---	---

Sown April 9,

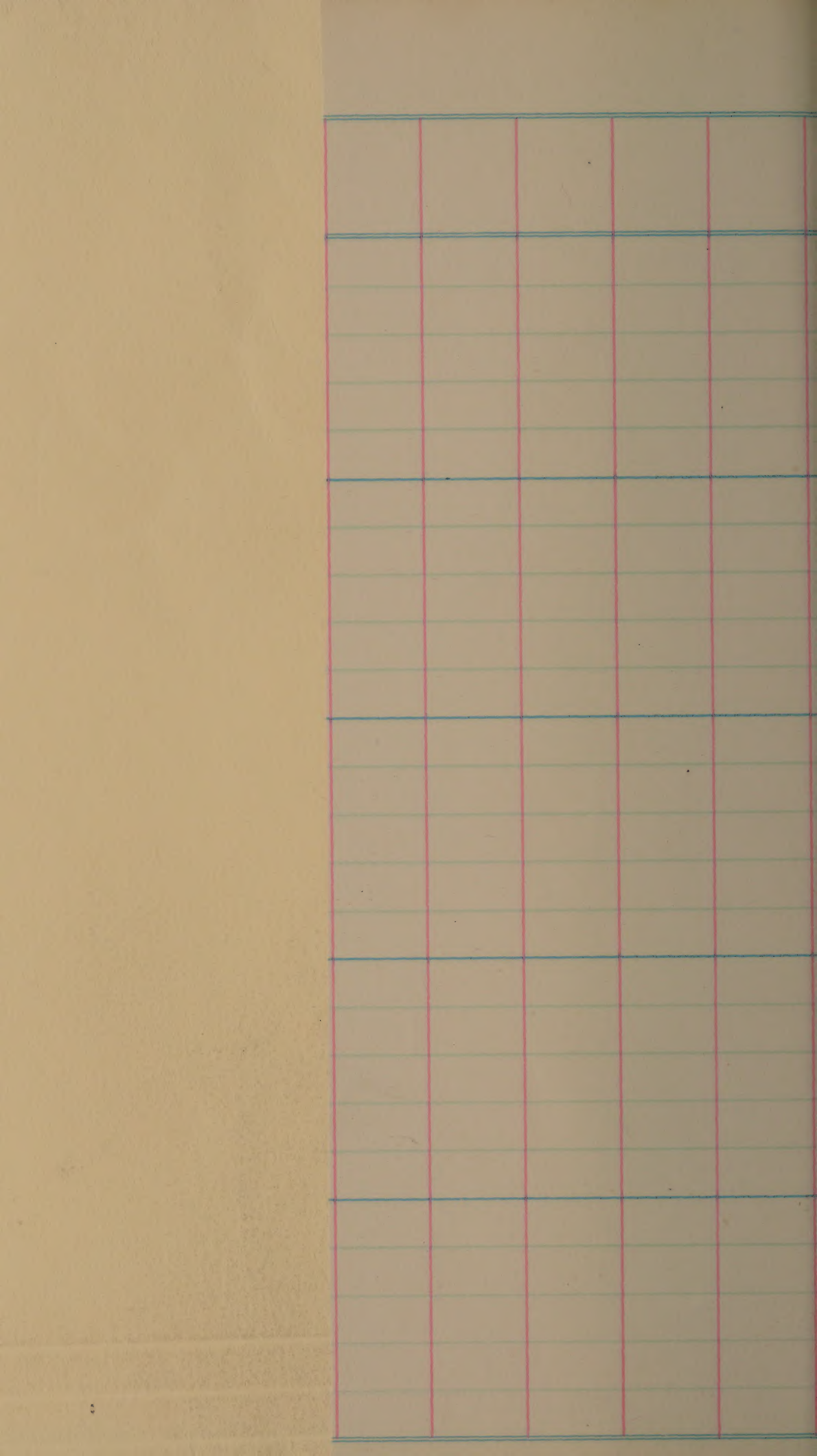


345 CHAR122, 6 12
CO-BR_xS-F

346 CHAR5051, 7 13
CO-BR_xS-F

347 Hill Long Grain 8 25

348 S41-10609, 9 48
RxSBR



Midseason and Late Varieties:

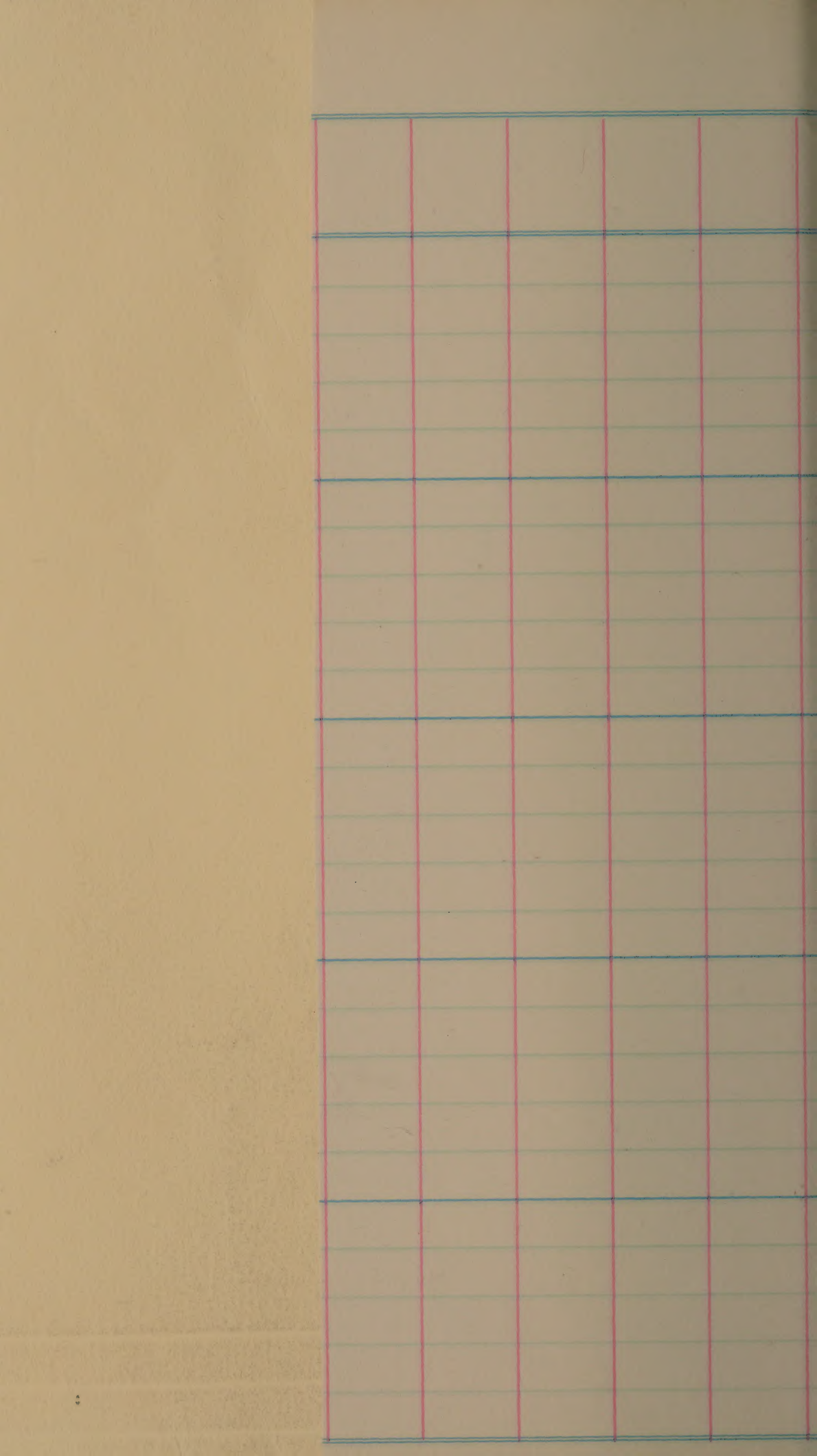
349 Caloro 10 71

350 Acadia 11 72

351 CI-6796 12 220
24

352 Gunki 13 221
25

353 B352A1-2-1-2, 14 102
KKR 26



324

325

326

327

328

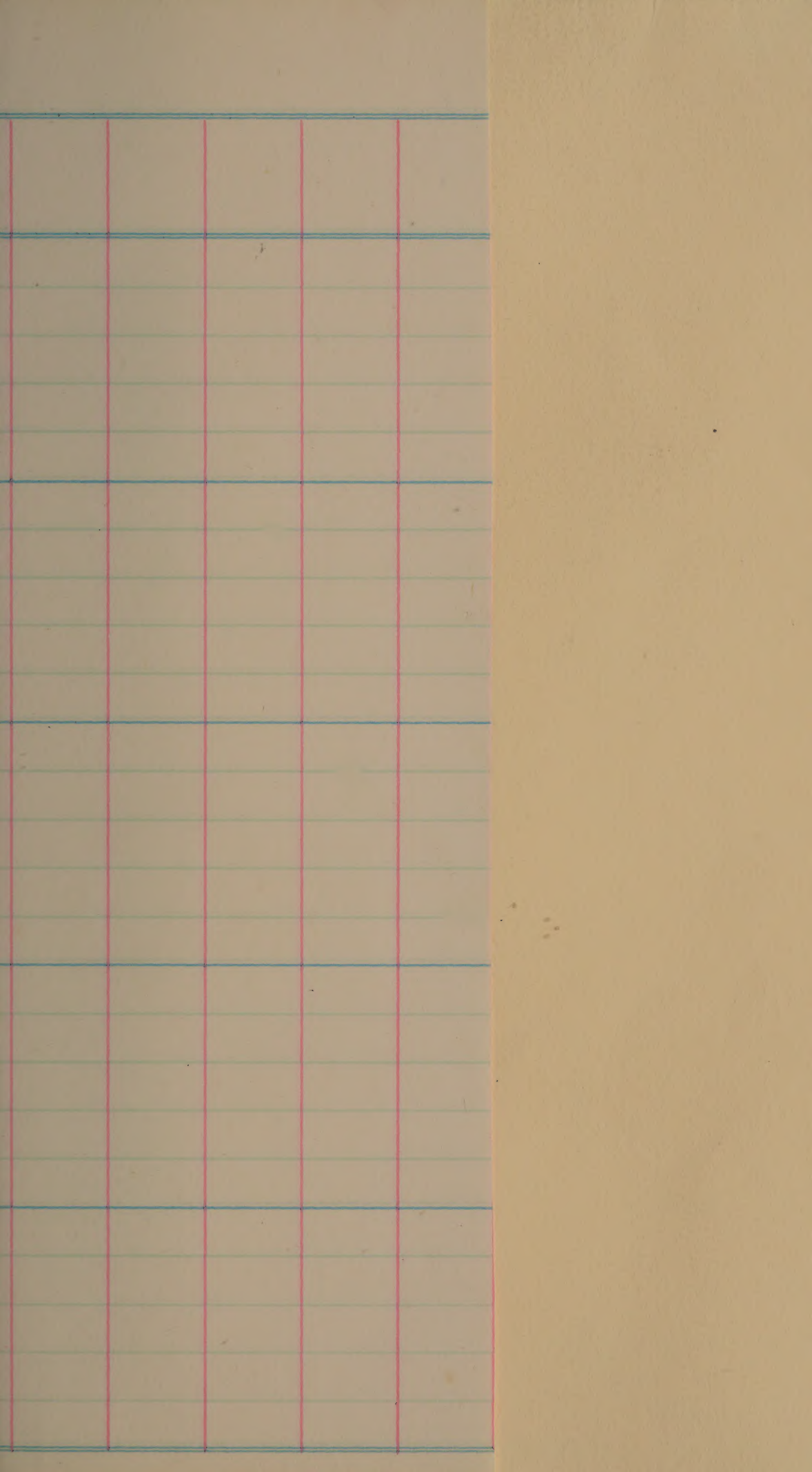
354 B344B41-2, 15 103
CA x K 27

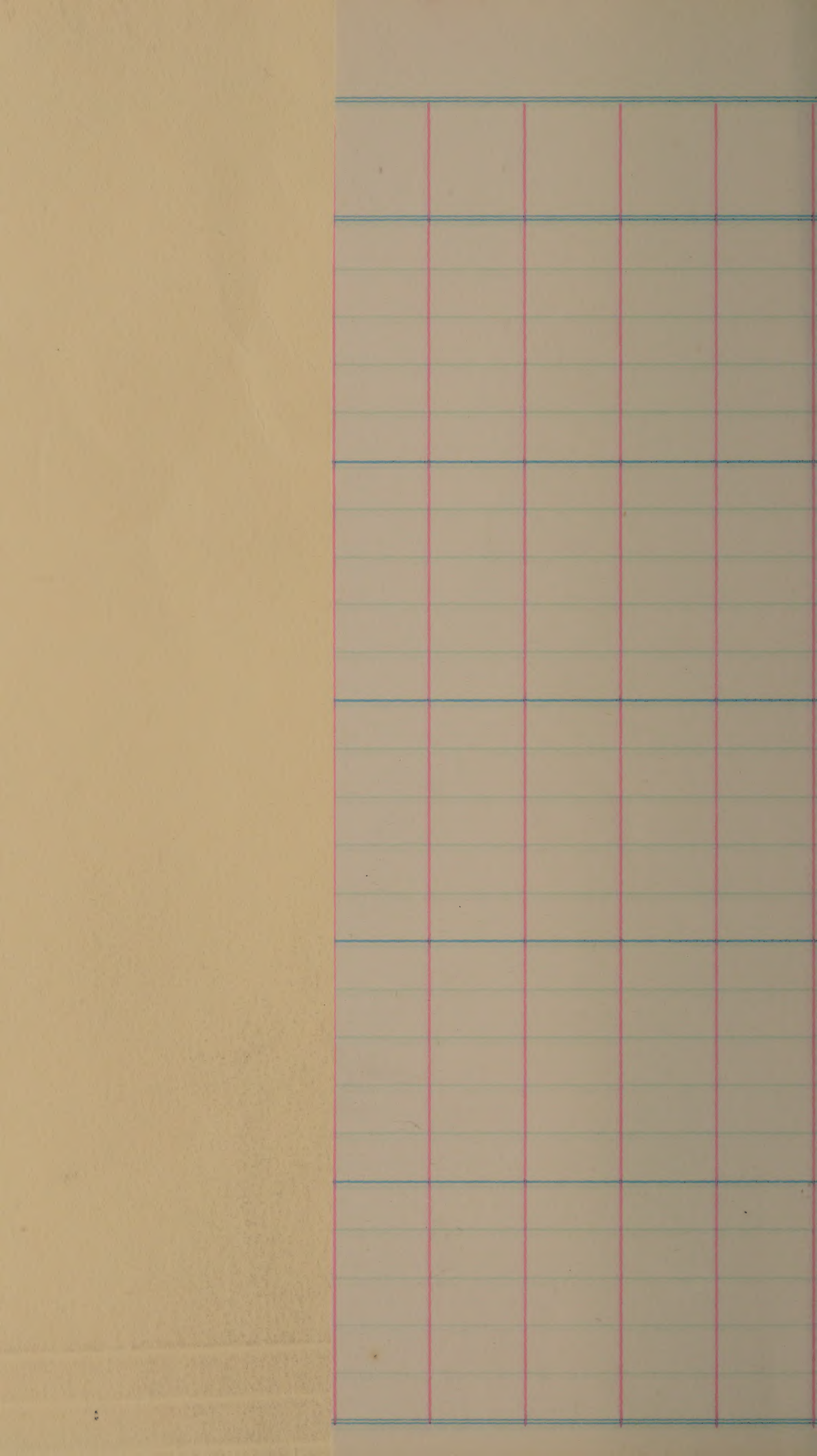
355 B344B41-6, 16
CA x K 28

356 AtKrose 17 73

357 Blue Rose 18 79

358 Blue Rose 41 19 78





302 February 23

303 March 1
64

304 March 1

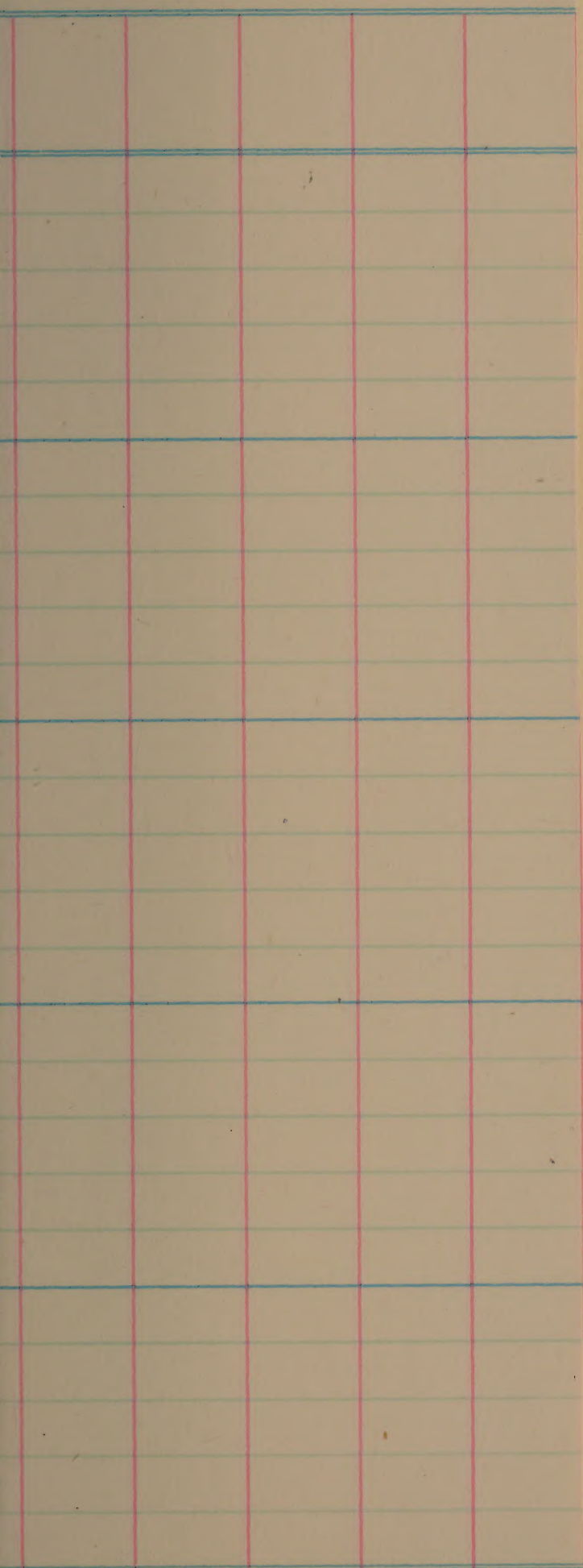
305 February 24

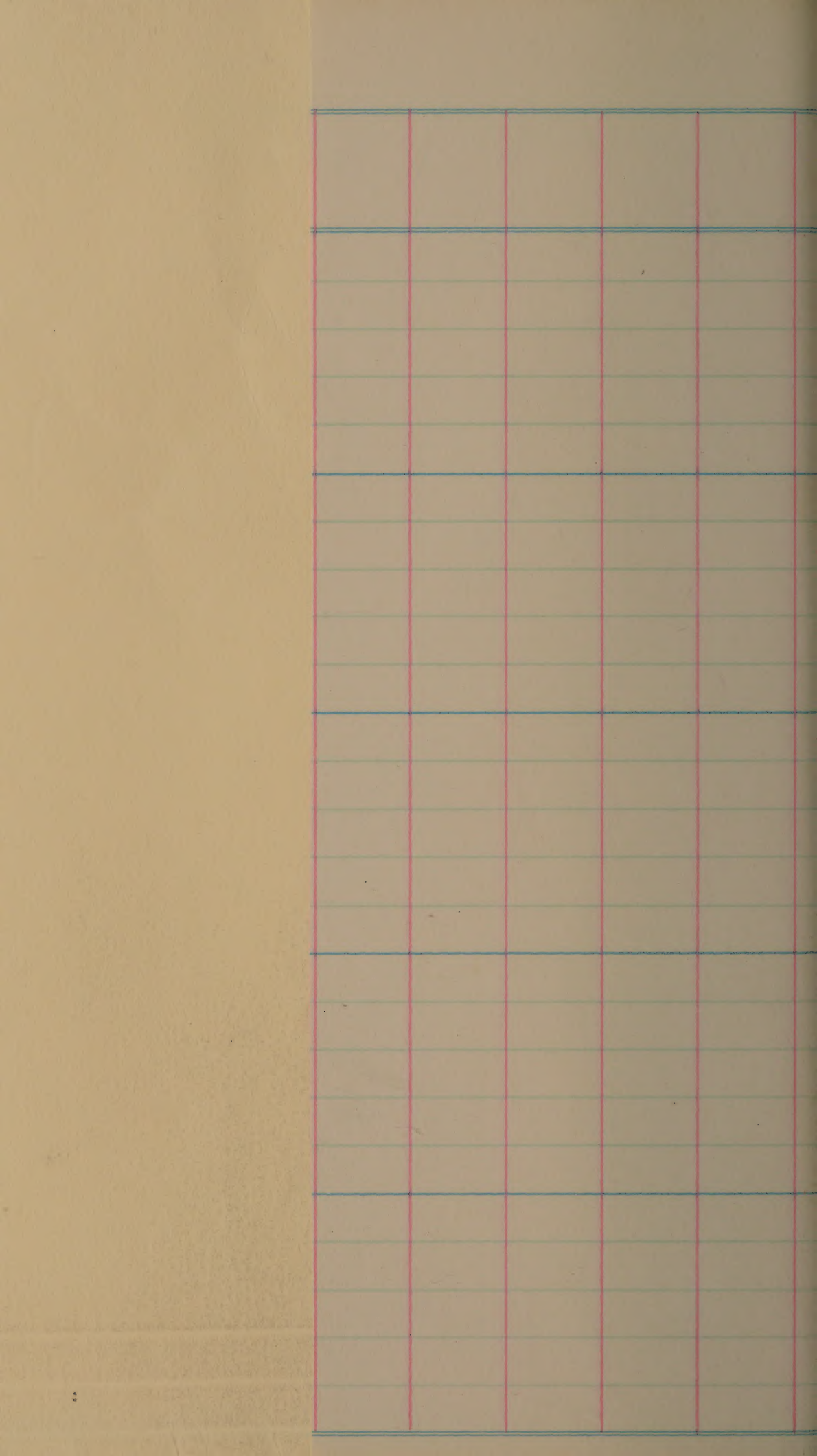
359 Bluebonnet 20 39

360 B347B40-9, 21 46
RxN

361 Nira 22 45

362 Fortuna 23 41





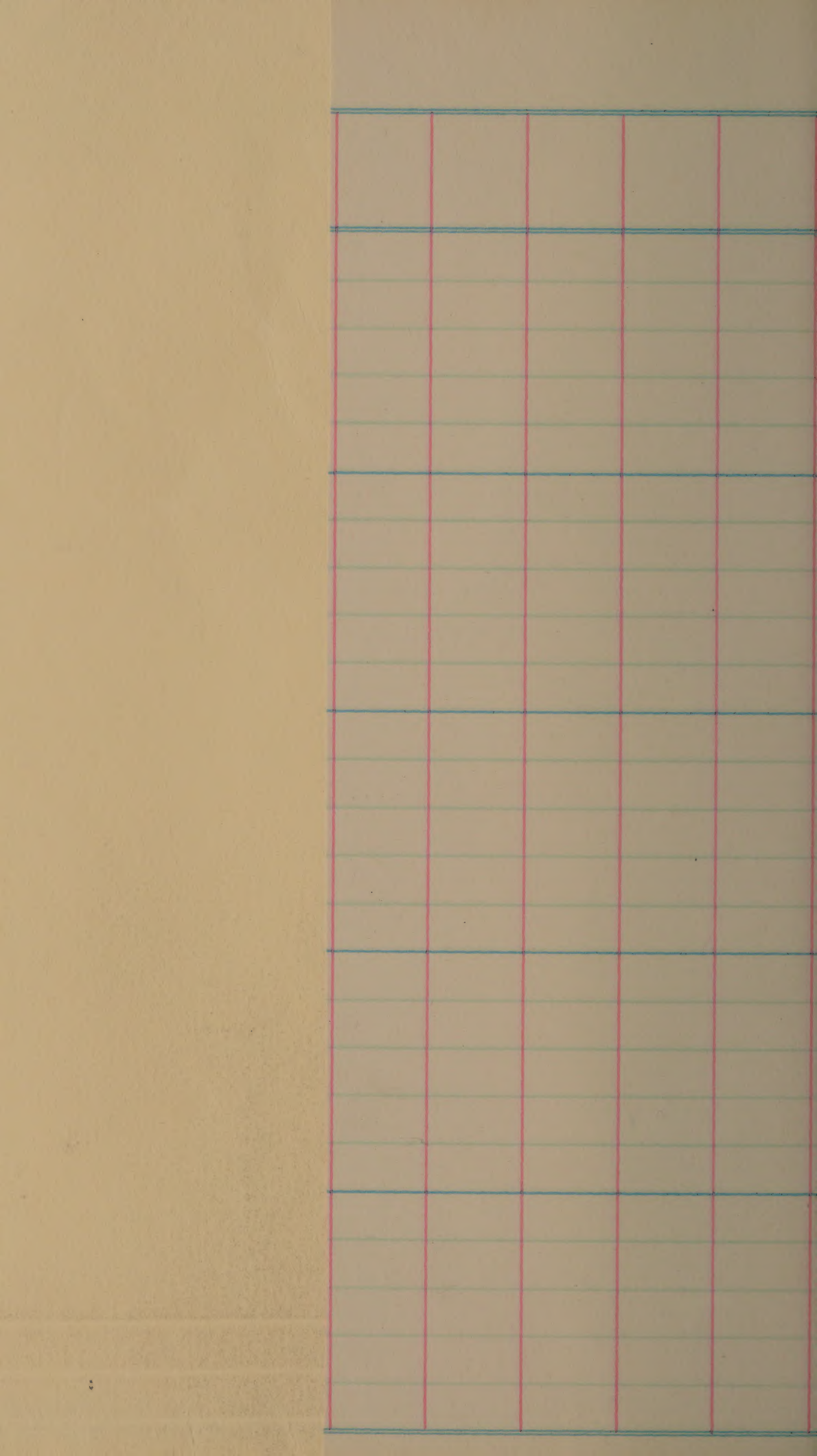
Very Late Varieties:

363 Texas Patna 29 113
33

364 Rexoro 30 112
34

365 Delrex 31 111
35

366 B321B40-3, 32 110
RxD



Early and Midseason Types.

Devers Variety Test, (Pat Boyt Farm)

Plot #1 preceded by 3 rows R-SBR.

367 S41-10609 1 332 Very little straight
R x SBR 16 head, the 9 very bad in
test, other is A1-2

368 Prelude 2 6 very bad for
14 straight head

369 Zenith 3 3 Considerable straight
15 head.

370 C43R5051 4 13 much more straight
CO-BR x S-F 19 hd. than (12)

371 B4033A4-47-1, 5 324 late
TP x R-7689 26

Fertilized with approx :
6-Row plots ,

Sown

May 2,

Worse for straight head
than 12, but much less
N.A

372 Magnolia 6 ^{F. 9/10's} very little straight
17 heads

373 B403/A1-3-3 7 54

TPx R-SBR 22 Bod for straight lid in
both series.

374 C6-253-9-2, 9

E-Fx S-F

14 fairly good as to
20 straight heads, very little

375

B4033A4-43-3, 9

TPx R-7689 24

at base of
1944 plot 2867

not as good stands as
A1-24 and poorer
growth

some straight head

376

B403/A1-24-1, 10

TPx R-SBR 25

319 Very good in both
series, some straight
head. One of very best
in test, taller than R-SBR + A-3.

very bad for straight head

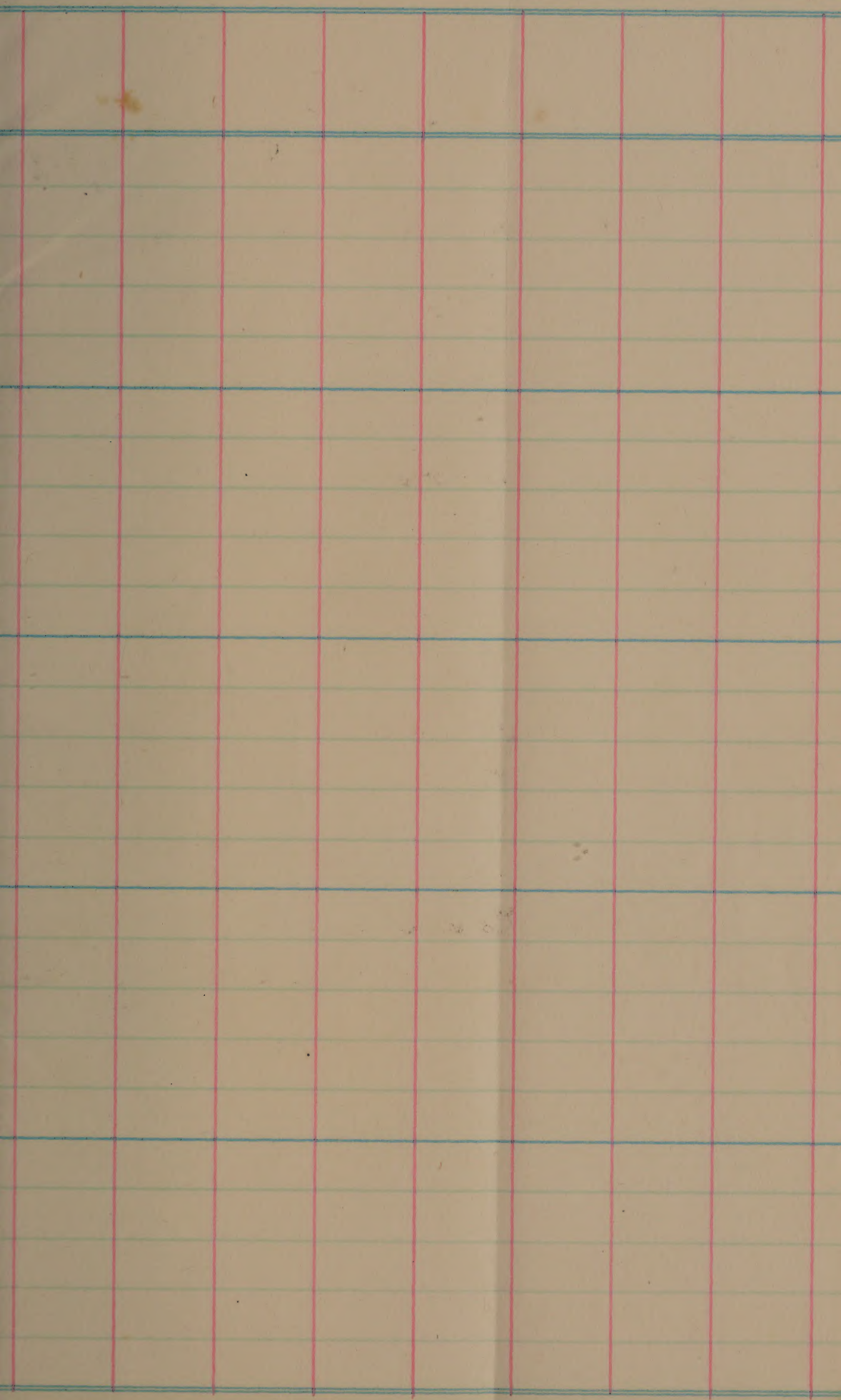
considerable straight head.

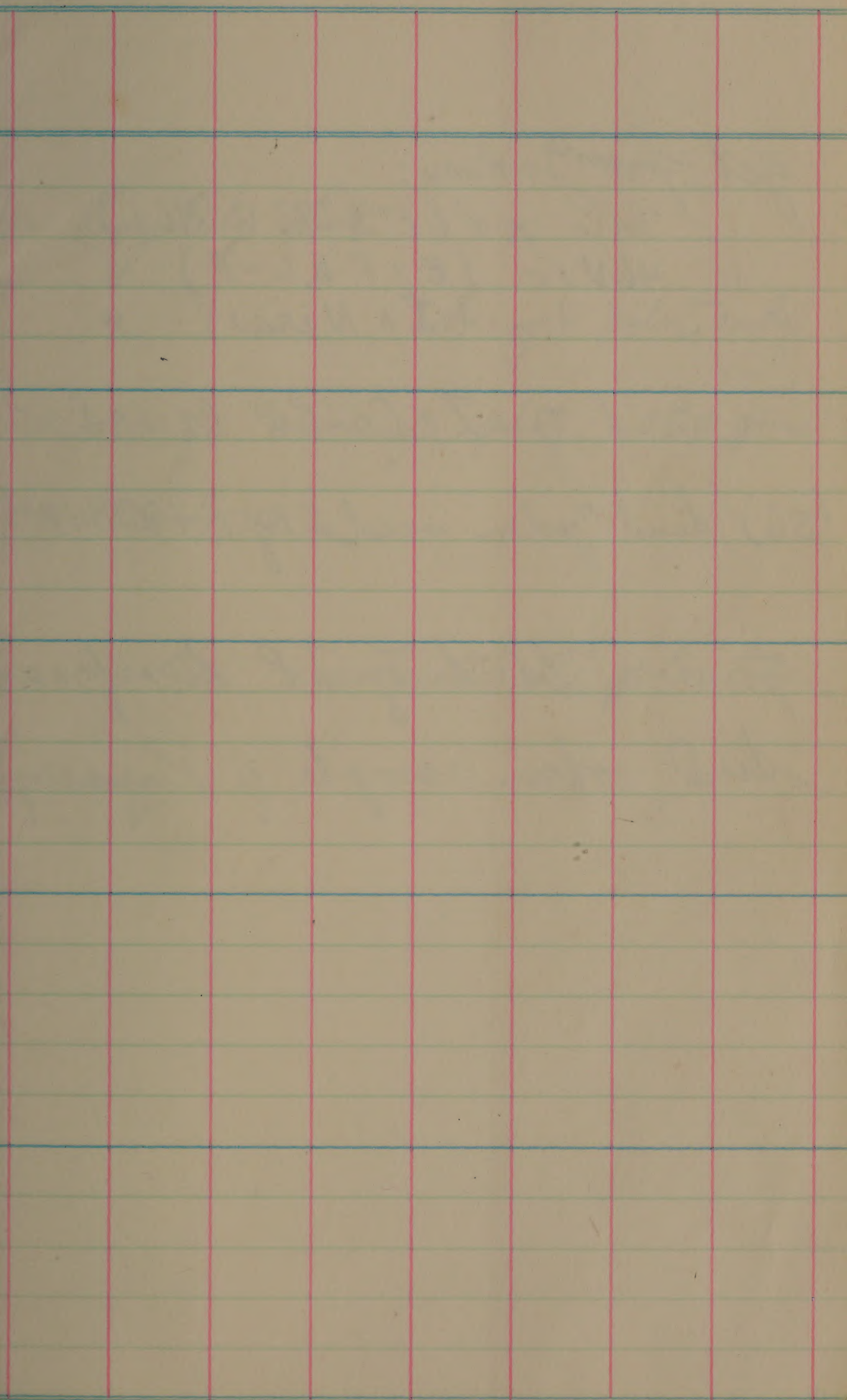
377 C43R122, 11 12 Very little sh Hd in 1st
CO-BR x S-F 18 Some in 2nd
Very bad for HD.

378 B376A2-72-4, 12 ²⁸⁷ ~~224~~ Very late
IBR-F x S 23

379 Hill Long Grain 13 25 Bad for straight head.
21.

Plot #26 followed by 24 rows S10609,
R-SBR and then 24 rows Hill Long Grain





get from Jodan:

Mia x 461 (46V 461)

46V15 (E x F x S - F)

(I x Nirav)

Seed of Z x Co-BK (311A3-35)

(36) Seed Jodan seed of B423B44-8,

from a block of TP dwarf and
Seed Jodan sample of Karang.

for Bay City that

"

"

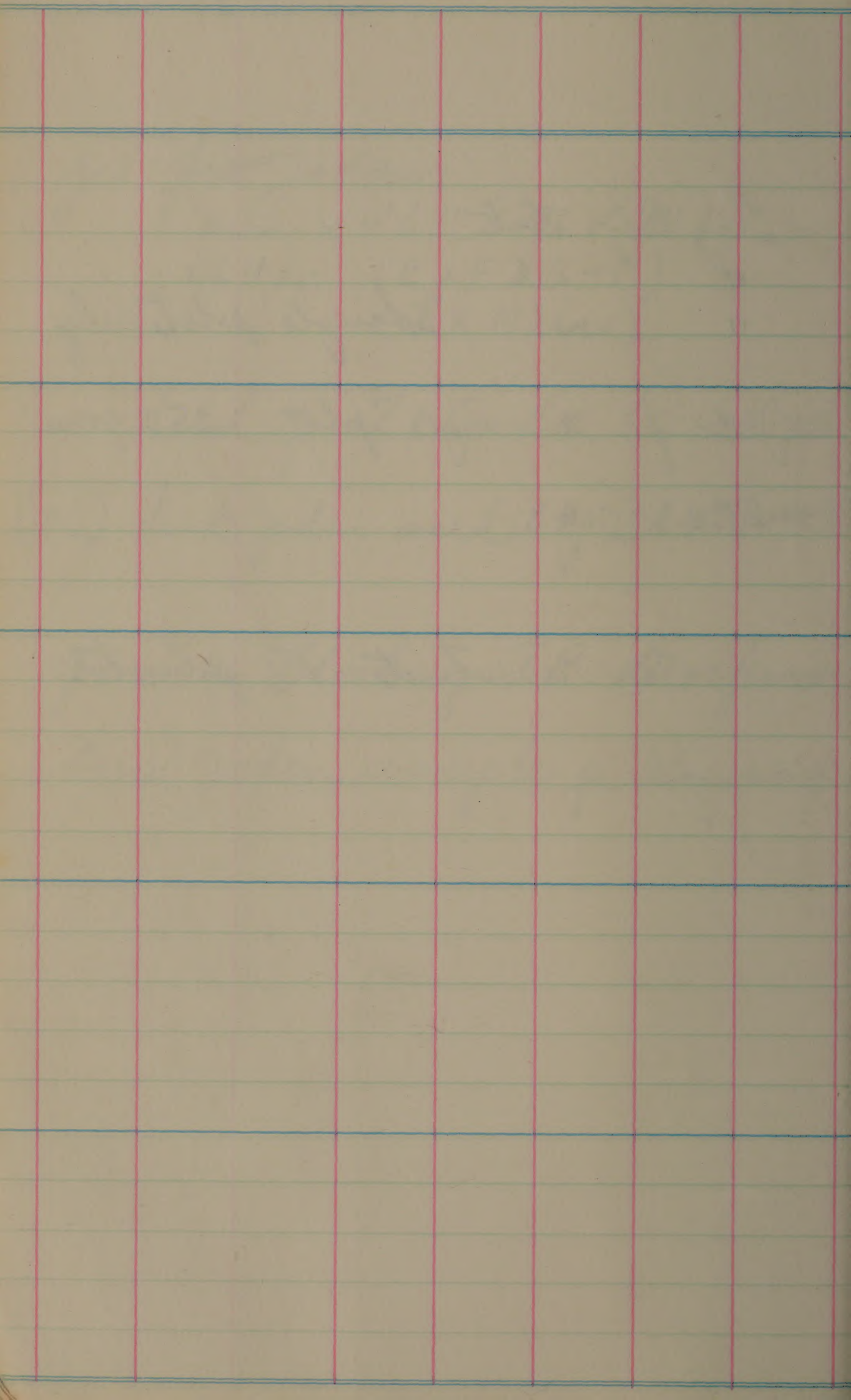
single plot only.

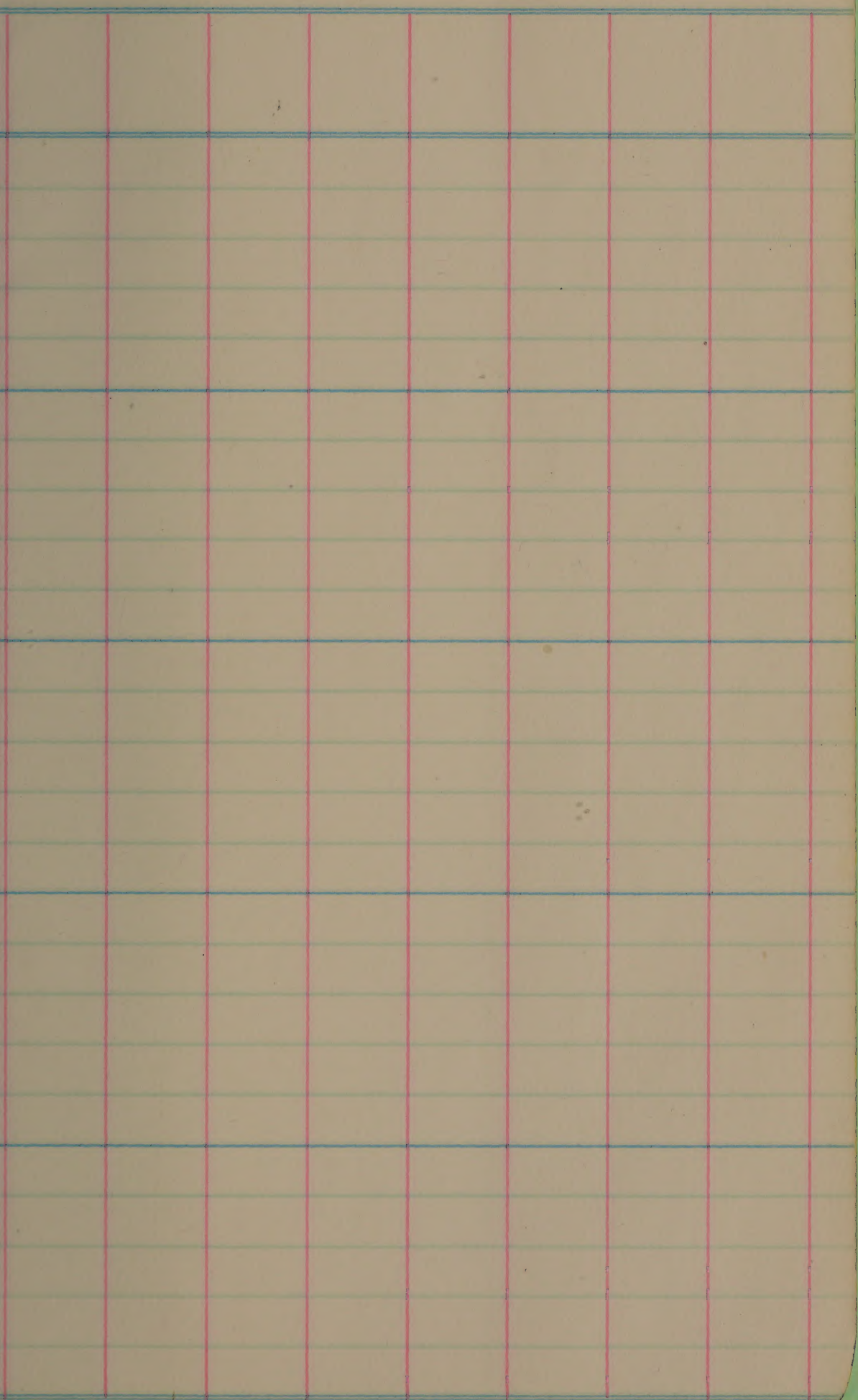
from Jodon for a single plot. 250 gms

SP41-EPX K-7143

same C.O. resistant F₁ plants.

serang





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Official Business

Penalty for private use to avoid payment of postage, \$300

**U. S. DEPARTMENT OF AGRICULTURE,
WASHINGTON, D. C.**

BUREAU OF PLANT INDUSTRY
Division of Cotton and Other
Fiber Crops and Diseases

1946

UNITED STATES
DEPARTMENT OF AGRICULTURE

FIELD NOTES

BUREAU OF PLANT INDUSTRY
DIVISION OF COTTON AND OTHER FIBER CROPS
AND DISEASES

Advanced

Nursery

Yield Plots

GEB-24 Indian variety,
most widely grown Indian variety

Variety #25 is very similar in grain
type to GEB-24

Errors in copying yield data on following

37

36

48

56

70

5

47.82

55.32
10
65.32

SUGGESTIONS CONCERNING FIELD DATA AND NOTES

DIVISION OF COTTON AND OTHER FIBER CROPS AND DISEASES

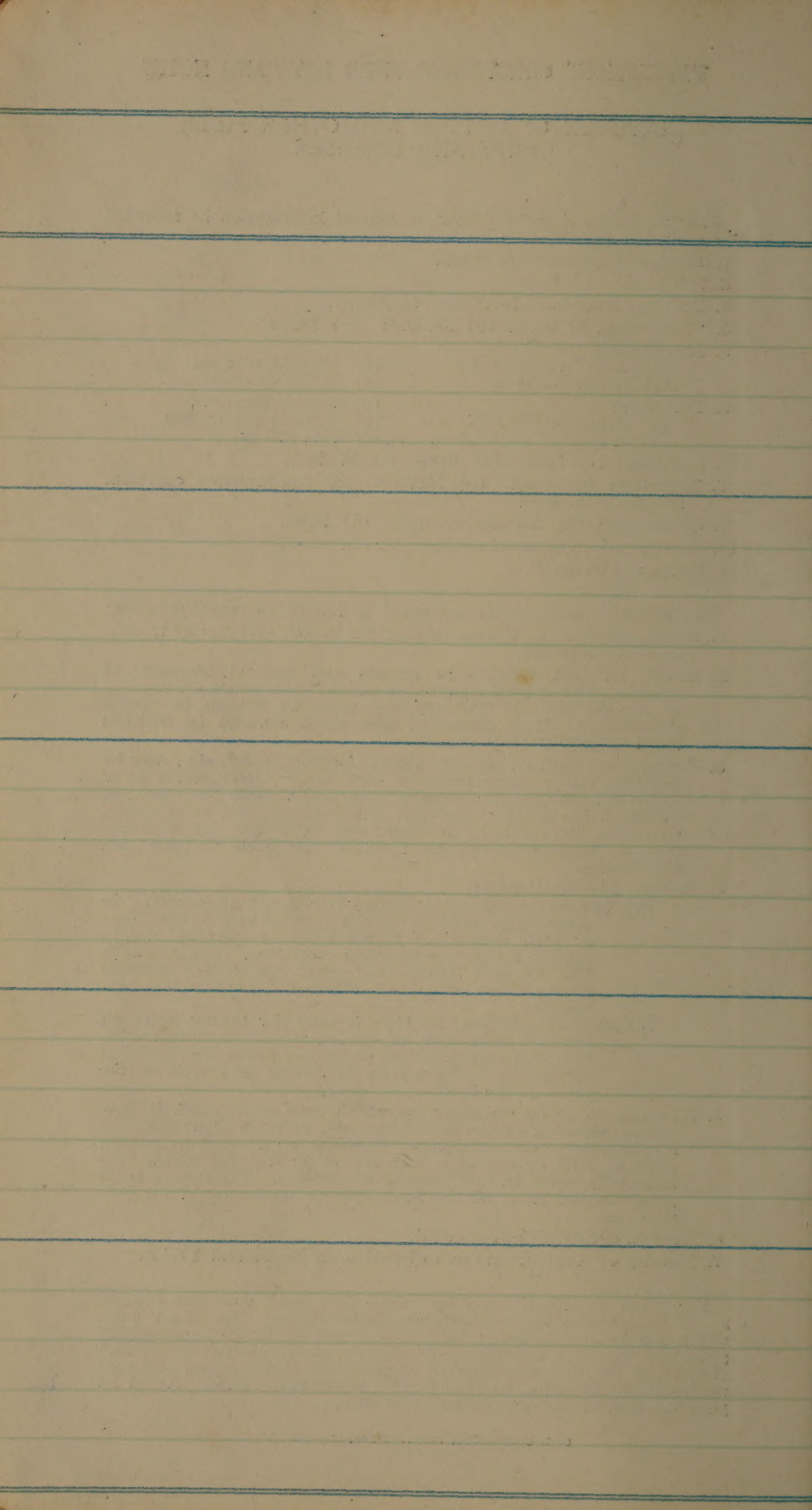
It is suggested that the following general information be recorded for each field experiment:

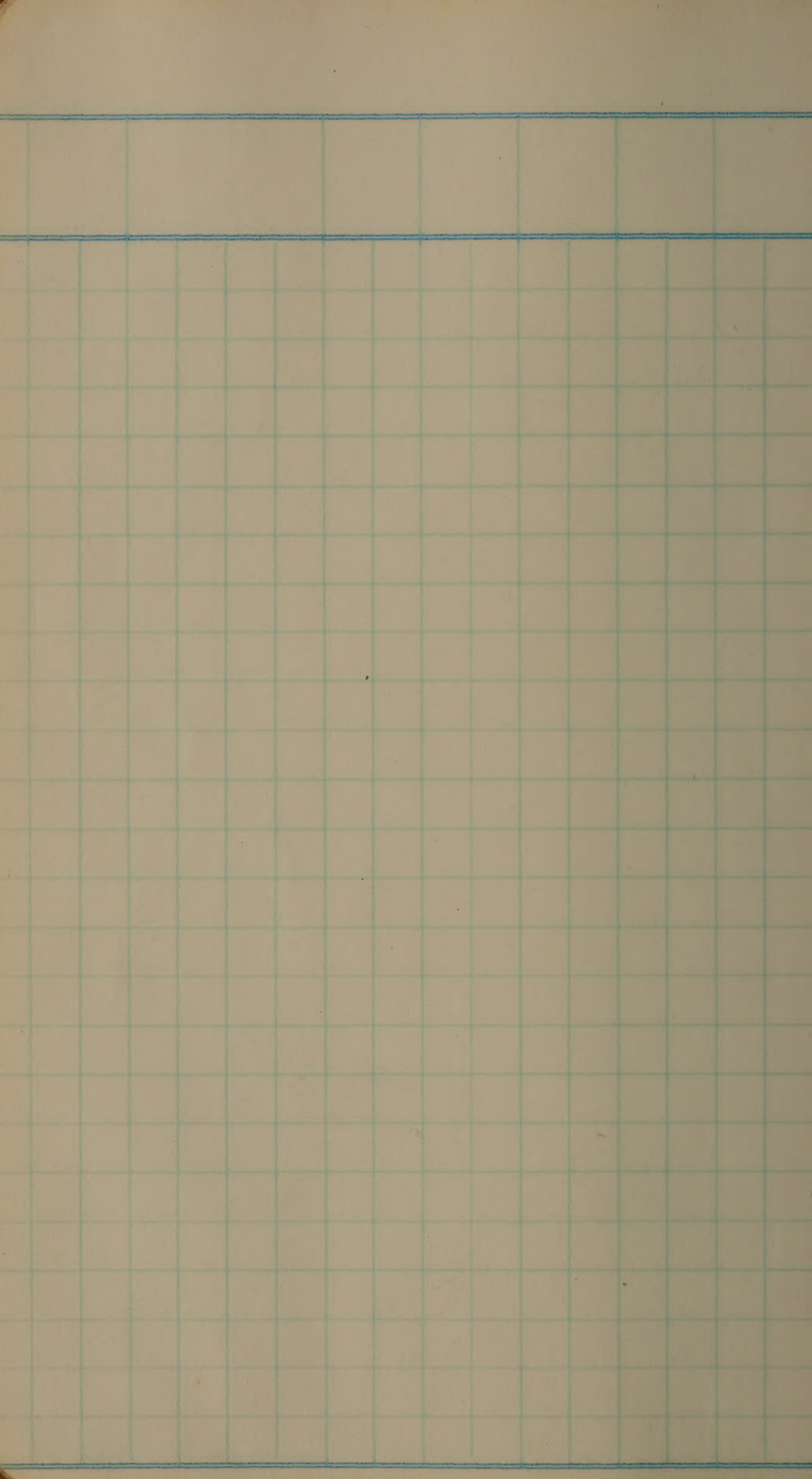
1. Name of experiment or study.
2. Soil type.
3. Previous crops and fertilizers (2 years).
4. Preparation of land: (a) Methods (b) Dates
5. Size of plot:
 - (a) Area in square feet
 - (b) Number of rows
 - (c) Length of rows
 - (d) Width of rows
6. Fertilizer:
 - (a) Pounds per acre
 - (b) Analysis (N-P-K)
 - (c) Time of application
 - (d) Method of application
 - (e) Side dressings
7. Planting: (a) Date (b) Rate (c) Method
8. Thinning: (a) Date (b) Method (c) Approximate optimum spacing attempted
9. Cultivation: (a) Implements used (b) Dates
10. Dates at which all notes and samples are taken.
11. Dates of pickings.

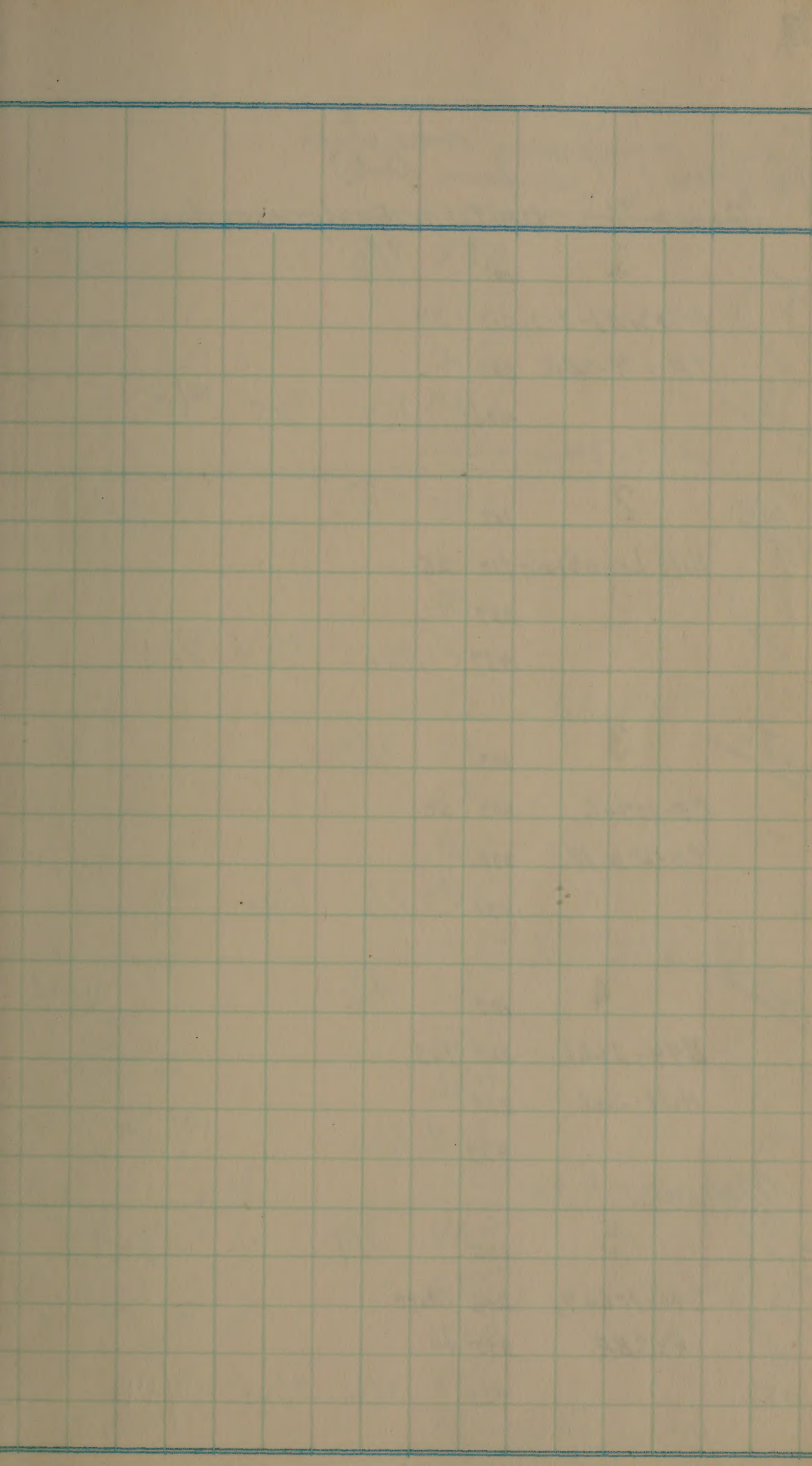
The following suggestions are made in regard to recording data:

1. Record all dates as figures, giving the month and day of month, as 5/16 (May 16).
2. Record all field weights in pounds and decimal fractions of pounds. The requisite accuracy depends somewhat on the size of sample, but for ordinary size plots 0.1 pounds is usually satisfactory. It is suggested that small samples be weighed more accurately (0.01 pound).
3. Estimations, such as seedling vigor, shedding, color, etc., may be recorded either numerically or with letter designations, as is found convenient; for example (seedling vigor), 1=Excellent, 2=Good, 3=Medium, 4=Fair, and 5=Poor; or E=Excellent, G=Good, M=Medium, F=Fair, and P=Poor. An explanation of legends should be recorded for each variable and experiment.
4. Diseases and insect pests:
 - (a) GENERAL.—Attack by diseases or insect pests should be recorded by suitable legends to indicate type of disease or pest, percent of plants killed or affected, and in serious attacks, estimating crop loss. For example, FW *5/35-7 (Footnote* Fusarium wilt 5 percent plants killed, 35 percent affected, 7 percent loss estimated).
 - (b) SPECIAL.—Where the book is used for taking notes on regional field tests on disease resistance, treatments, etc., it is suggested that directions which are furnished for taking uniform data be pasted, or copied, in the front of the book.
5. Diagram, to scale, the block on which each experiment is conducted, showing visible soil differences, variable plant response attributable to soil differences, drainage, or unequal irrigation, slope of land or contours, and any other features which may materially assist in interpreting the results. The square ruled paper in the front of the book may be found useful for this purpose.
6. Explain clearly all legends used.
7. Identify all experiments as to location on blocks and YEAR.

For types of experiments for which this book does not provide ample page space, larger sheets should be utilized. In taking data, which are to be reported in this book, or on larger sheets especially provided, the field or laboratory determination should be written directly, at the time of weighing or otherwise determining, and submitted to Washington, or filed as the permanent record. Avoid all possible transcribing or typing of raw data.







Early maturing varieties:
Test no. 1, (Uniform test)

Group #1, Uniform Early Varieties:

1

101

9/6

45

B403/A1-3-3, 217 54

TP x R-SBR 328 ✓

426 ✓

9/7

9/15

10/11

2

102

51

Hill Long Grain 210 25

337 ✓

437 ✓

9/10

9/24

10/15

3

103

9/5

48

C5-157-6,

203 50

CO-D x R

332 ✓

431 ✓

9/8

9/20

10/9

4

104

9/8

43

B44-2661,

207 193

Hill Sel.

321 ✓

433 ✓

9/10

10/12

5

105

9/9

44

S41-10609,

206 Statt

R x SBR

335 ✓

423

9/11

9/21

10/14

CO

R 730

400

263

431

11824

S 360

350

408

438

1556

R. 341

272

331

330

1274

S 395

401

365

306

1467

T 401

575

510

446

1932

all, Tangle
lodge, looking.

Taller
than R-SPPs
P-SPPs but not as
well as the
good growth

as low my
good but looked
poor than the P-SPP
Sds. seemed rather
than tangles.

x60.8 2736

57.9 2334

42.5 1911

48.9 2200.

64.4 2898

OK mi E

6

106

9/5

48

Early Prolific 1

336 ✓

425

9/5

9/15

10/10

cut guard

mi E

7

107

9/4

V pondant

4 1/2

C6-250-121, 205 Crowley

CO-BR x S-F 325

428 ✓

9/1

9/9

10/3

OK guard

8

108

9/9

51

C6-251-23-3, 212 Crowley

EF
CO-BR x S-F 322 ✓

430 ✓

9/9

9/21

10/13

disci

mi E

9

109

9/5

48

B404A1-29-4, 204 11

BR41 x EP 329 ✓

432 ✓

9/6

9/15

10/12

O.K.

mi E

10

110

9/4

48

Zenith

202 3

331 ✓

421

9/4

9/15

10/5

OK

Co

T

399

461

464

505

1829

R

369

476

372

419

1636

R

361

292

370

441

1464

R

440

527

474

672

2113

M

363

400

416

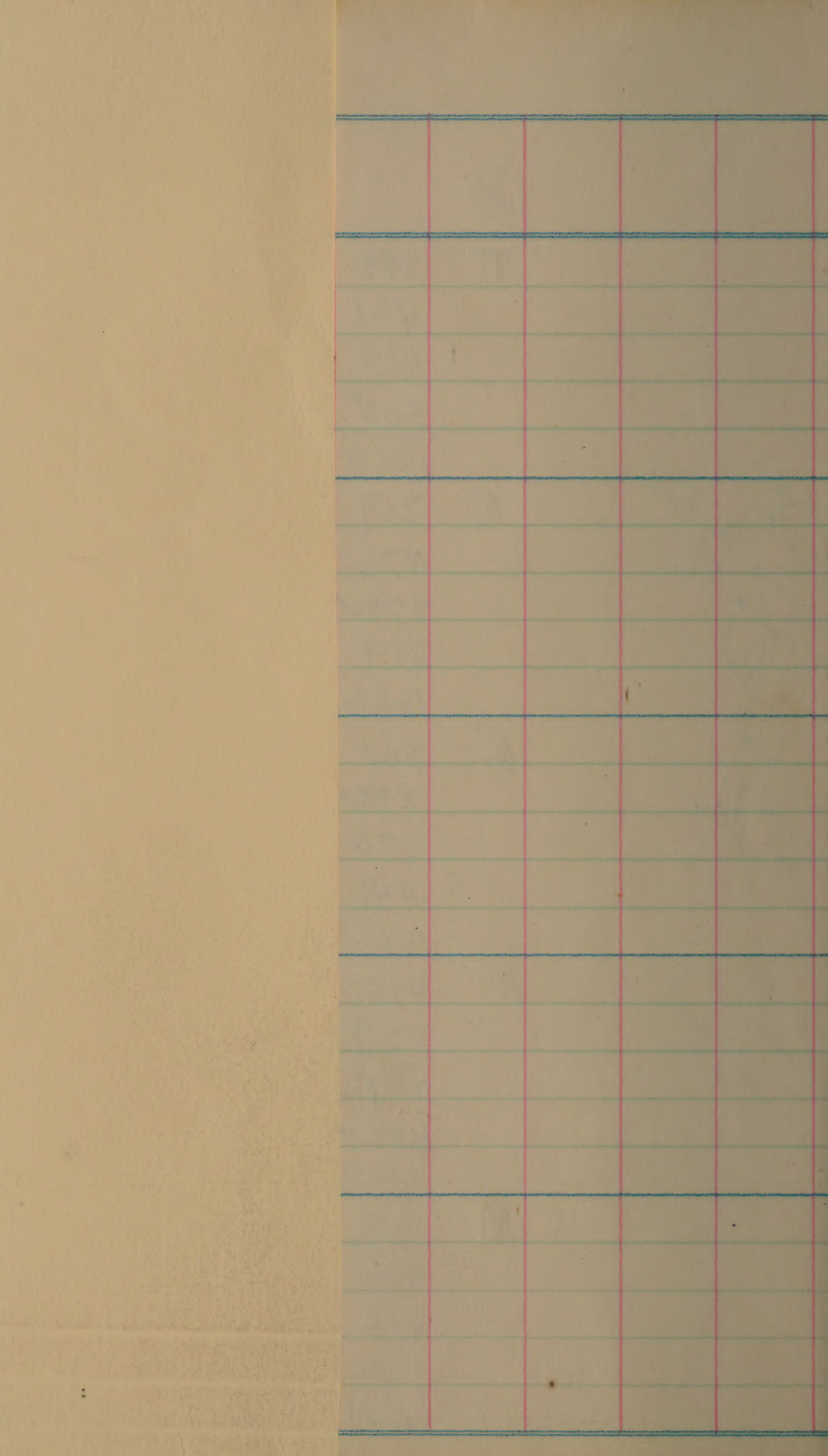
469

1646

large
disple
does not dis look
as fast as #8.
Best

Does look
so rapidly,
rather tall.

V. green
show
looks very good



61.0 2744

54.5 2454

48.8 2196

70.4 3170

54.9 2469

uni E
 cut guard
 O.K.

11	111	9/8	10/5	47
Magnolia	201	5		
	333			
	435	✓ 9/7	9/18	10/5

uni E
 off guard

12	112	9/3		45
lady in right	211	7		
	323	✓		
	424	✓ 9/4	9/14	10/7

uni E

13	113	9/9		50
CB-253-9-2,	215	14		
E-F x S-F	326	✓		
	429	✓ 9/9	9/20	10/13

O.K.
uni E
 cut guard

14	114	9/9		49
Prelude	214	6		
	330	✓		
	427	✓ 9/7	9/16	10/13

O.K.
disc

15	115			44
B4117A10-13	209	10		
BR41-8323 x 8324	327	✓		
	422	✓ 9/9	9/16	10/15

Co.

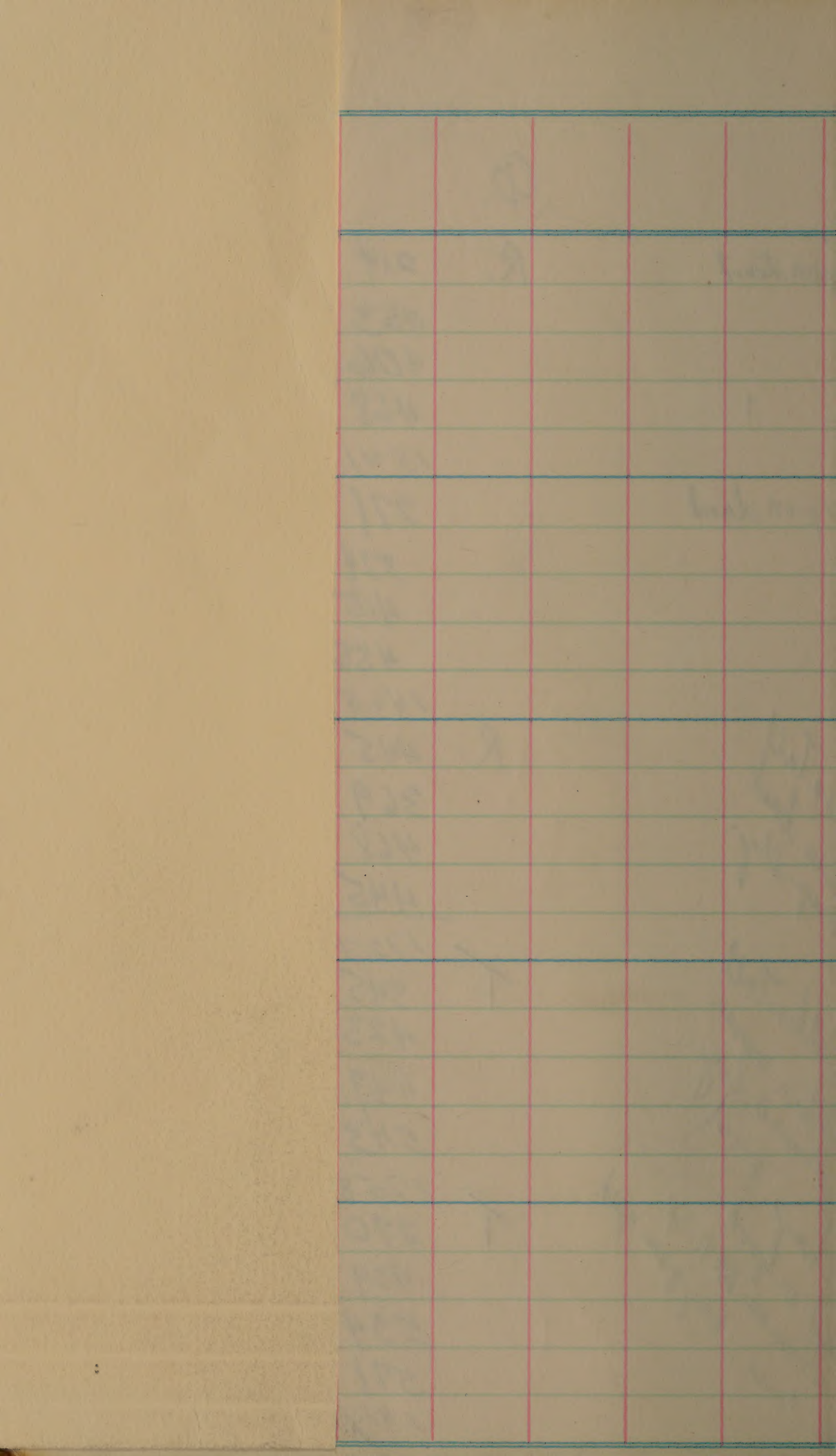
poor stand R. 214
453
406
468
1541

poor stand 271
324
415
455
1465

on tall
ris back
repeatedly. R 445
369
468
445
1727

rather tall
water course
showed large
good T 345
423
447
543
1758

long
not as good
show as BR 41-EP
luis, long grain yield T 270
439
534
571
1814



51.4 2312

48.8 2198

57.6 2590

58.6 2637

60.5 2721

Unit E
O.K. cut
guard

16

Cody

116

8/27

9/5

9/25 36

208 16

334 ✓

434 ✓

Unit E
O.K. cut
guard

17

Colusa

117

8/30

9/7

39

213 9

CT-1600

324 ✓

TS-19798

436 ✓

8/28

9/6

10/6

l. good
straw not as
green straw as
when cut but v. good
in this respect.

very green
straw
good growth

T

283

268

397

363

1311

T

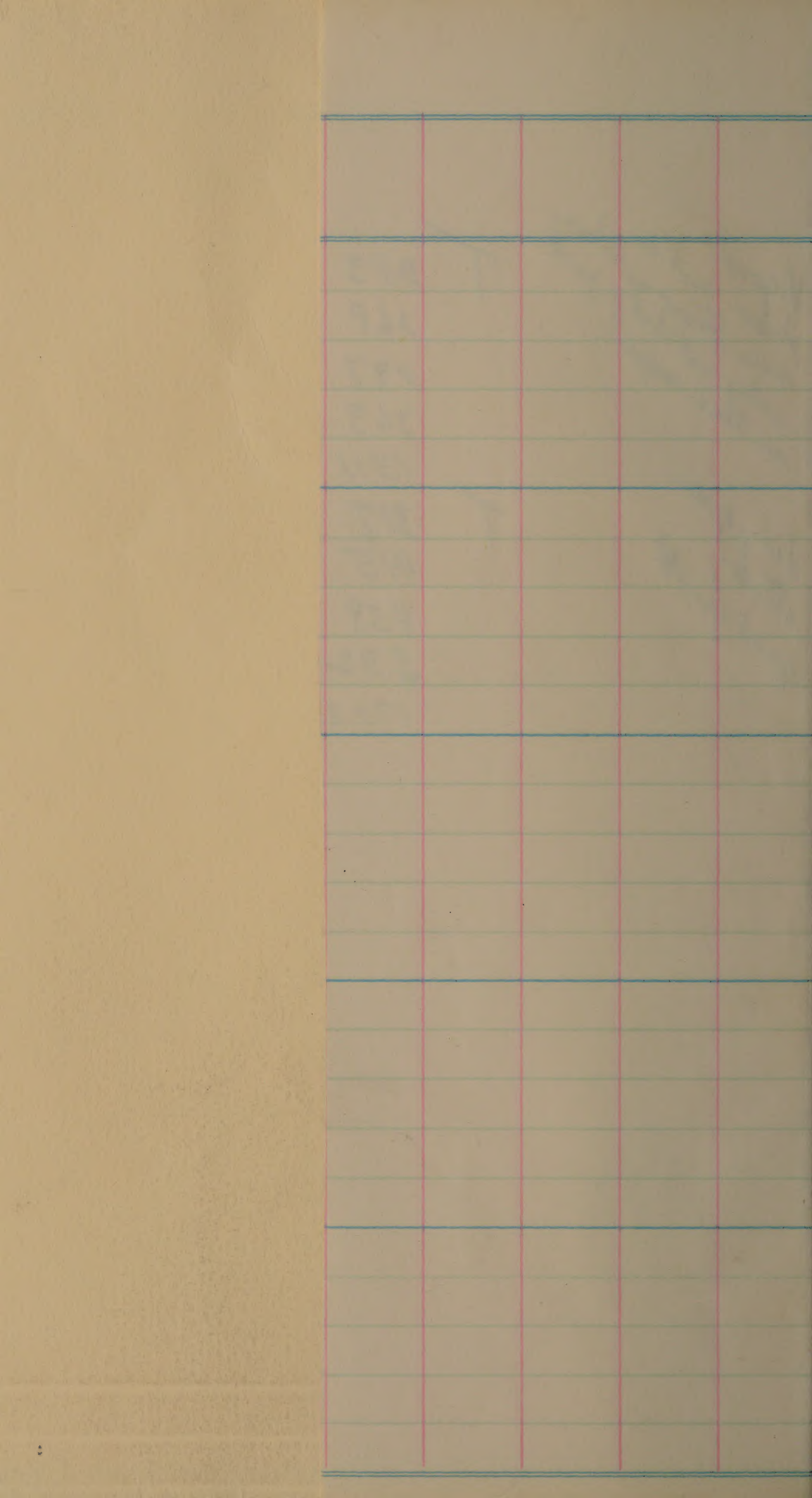
317

415

458

532

1722



43.7/1966

57.4/2583

Test # 2

~~Group # 2, Early Varieties:~~

18

118

41

B403/A1-1-3-5, 218 5292

TP x R-SBR

305 ✓

407 ✓

9/15

10/20

misc.
out
ground

19

119

43

B403/A1-1-4-5, 231 5298

TP x R-SBR

306

420

9/15

9/25 10/11

20

120

9/5

49

CI-5309

237 140

316 ✓

417 ✓

9/2

9/11 9/30

21

121

9/10

46

B403/A1-24-1-2, ²²⁸ 5315

TP x R-SBR 311 ✓

401 ✓

9/11

10/13

22

122

46

B2713A10-1-3-2, ²²⁰ 2407

S x R

312 ✓

404 ✓

9/14

10/20

best stream
V. dry. fairly good

R

389

410

451

370

1620

431

450

408

456

1745

R

248

321

200

356

1123

R

415

435

330

890

2070

R

534

472

327

453

1786

Very little Ho
badly overgrown
when cut

V. good.

Tall
rather
V. good stream

appears to be best early long sl.
all in that

54.0 2430

58.2 2618

37.5 1688

69.0 3105

59.5 2679

23

123

9/10

44

B 4044A3-4-2-8, 233 5097

R-SBR x BR 303 ✓

408 ✓

9/8

9/19

10/12

24

124

44

B 4044A3-4-2-26, 224 5117

R-SBR x BR 315 ✓

415 ✓

9/7

9/19

10/14

25

125

40

B 4045B44-3, 234 2107

R-SBR x BR 41 308 ✓

414 ✓

9/9

9/24

10/10

26

126

9/8

40

B 4045B44-8, 229 2112

R-SBR x BR 41 302 ✓

412 ✓

9/7

9/21

10/14

27

127

9/9

31

B 45-5003, 221 5003

Hill Sel. 314 ✓

406 ✓

9/4

9/15

10/6

cut
guard

Straw dries back fast
lodging evident

dries back rapidly

Best straw type
standing v. well like
grain type
Indian ranch 9 & B 24

Shorter & better (stiffer) straw
than 23 & 24

A very good
straw type

Promaning
Advances

56.1 2524

61.9 2786

52.2 2350

57.8 2601

an error on
typed copy

47.8 2151

cut
guard

28

128

9/7

36

B45-5013, 230 5013

Hill Sel. 310 ✓

405 ✓

9/6

9/15

10/10

29

129

9/4

43

B3810B44-2, 225 2030

S-EP x CA-Cdy 307 ✓

403 ✓

9/2

9/10

10/5

30

130

9/1

9/10

41

B3810A17-1-1-1, 232 17

S-EP x CA-Cdy 304 ✓

413 ✓

9/1

9/10

10/5

31

131

9/6

45

Honduras 223 26

317 ✓

411 ✓

9/6

9/15

10/6

32

132

9/3

9/10

10/6

46

B404A1-51-2, 219 31

BR41 x EP 313 ✓

402 ✓

9/3

9/10

10/9

cut
guard

caught gold
 short stream
 rooping hoglet
 Thaisian med-grain
 v good, med-grain type R.
 Adm ?
 Very fine
 stone

Rhodes V body

Co

R.

show sharp gate
 green

R

T

green stream
 No, no Co
 showing when cut
 v. good.

R.

- 214
- 330
- 206
- 318
- 1068
- 350
- 339
- 381
- 338
- 1408
- 390
- 404
- 360
- 455
- 1609
- 320
- 359
- 272
- 314
- 1265
- 445
- 389
- 329
- 413
- 1576

sl. taller & lighter green color than
#27 on Aug 6

Send seed of this
line to Jones, Penn

Triploid or tetraploid plant in E
row of 1st series
V. green straw

35.6 1602

46.9 2112

53.6 2414

42.2 1898

52.5 2364

33

133

9/5

9/11

40

B411A3-7-2, 236 164

8323 x Z

301 ✓

410 ✓

9/4

9/10

10/5

34

134

9/8

42 ✓

B412A5-52, 227 2025

8323 x K-7143 318 ✓

416 ✓

9/7

9/19

10/13

35

135

9/6

42 ✓

B423B44-15, 226 2015

BR41-EP x K-7143³⁰⁹

419 ✓

9/6

9/17

10/11

36

136

9/6

43

B423B44-8, 222 2008

BR41-EP x K-7143 320 ✓

409 ✓

9/6

9/15

10/13

37

137

9/6

41

B353A2-14-1-1, 235 32

K x 7143

319 ✓

418 ✓

9/5

9/20

10/9

CO

431

569

655

582

2237

R. 415

406

421

460

1702

R 354

414

391

484

1643

427

499

425

555

1906

R 365

442

479

460

1746

club
pamela type
best of this type
very short, rather tall
in form
rather hard to touch

Miscason Long Uniform Gro.

74.6 3356

56.7 2553

54.8 2464

error on
typed
copy

63.5 2859

58.2 2619

midseason maturing long and long stem
Test no. 3 (uniform test, p)

disc

38

138

C4-130-9,

253

Crowley

9/21

10/1

10/21

51

4440 x E-F

368

468

39

139

C2-26-1,

250

42

9/24

10/5

49

N x F

358 ✓

458 ✓

uni long

40

140

Nira

239

45

9/24

10/6

10/30

54

355 ✓

457 ✓

uni long

41

141

B3713A13-2-2,

251

56

9/20

10/1

10/27

45

S x R

362 ✓

467 ✓

uni long
out ground

42

142

B347B40-9,

248

46

9/23

10/5

10/27

45

R x N

367 ✓

469

grain varieties:

tall
good med-gr
rough hulled type

shorter
traced nice
type smooth
hulls.

good
shelled, green
mixed types
but green
V. uniform h.t.

CO

R

354
378
330
375
1437

T

319
468
340
341
1468

R

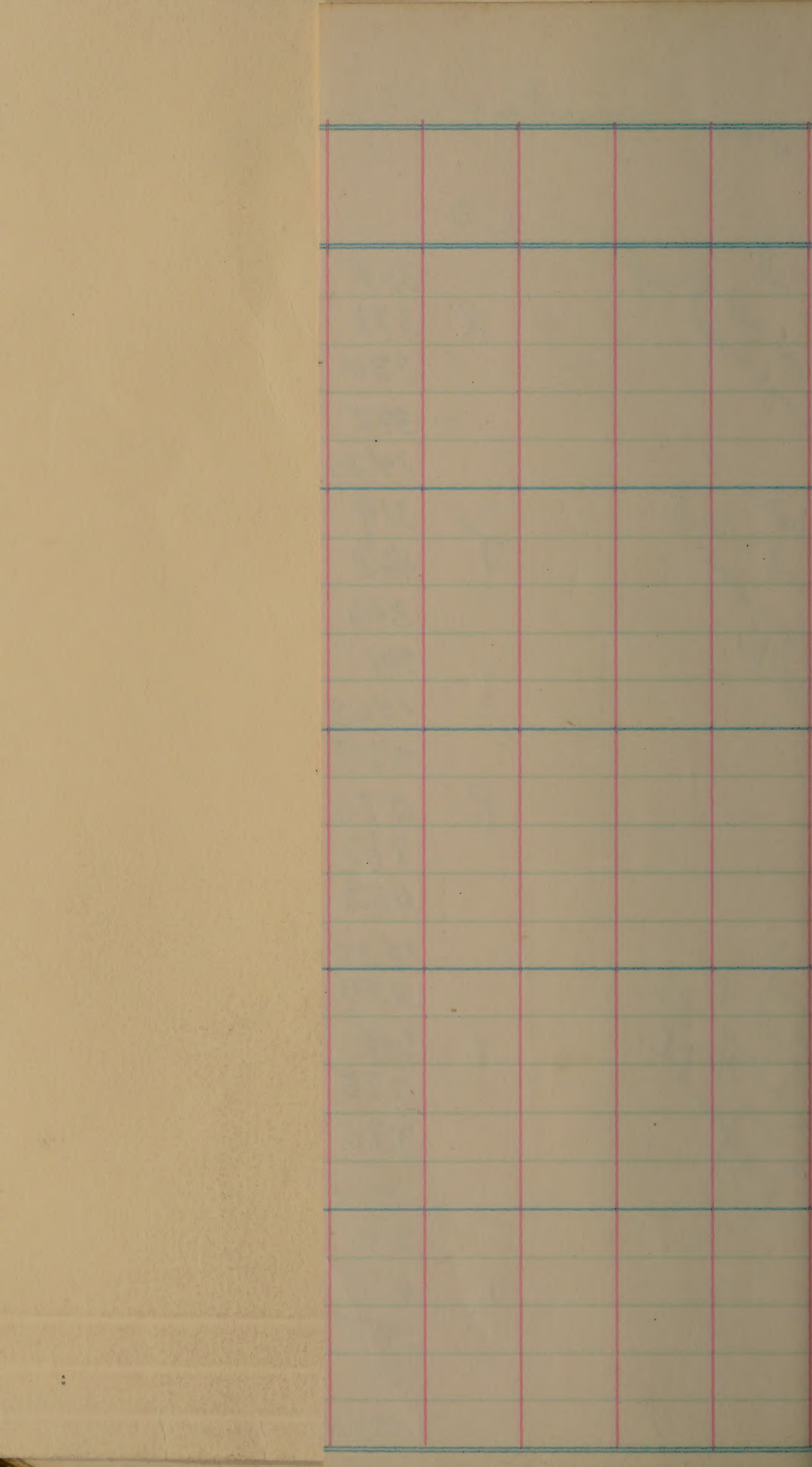
355
470
310
403
1538

R

354
341
275
370
1340

R

316
403
305
311
1335



47.9 2156

48.9 2202

51.3 2307

44.7 2010

44.5 2002

mini long

43

C45-8022

RxF

143

244

366 ✓

455 ✓

9/24 10/6 10/30 48

Crawley

mini long
cut
guard

44

B347B42-10,

R x N

144

249

356

461

196 9/23 10/1 10/30 44

45

C45-8023,

R x F

145

238

363 ✓

459 ✓

Crawley

9/24 10/6 10/29 45

46

AH-32-23,

R x F

146

240

365 ✓

463 ✓

40

9/19 10/1 10/24 43

disc

mini long

47

Arkansas

Fortuna

147

247

359 ✓

462 ✓

38 9/15 9/25 10/16 46

CO

258

S

458

333

287

1336

324

R

384

252

358

1318

263

S

397

288

422

1370

308

M-R

441

326

382

1457

255

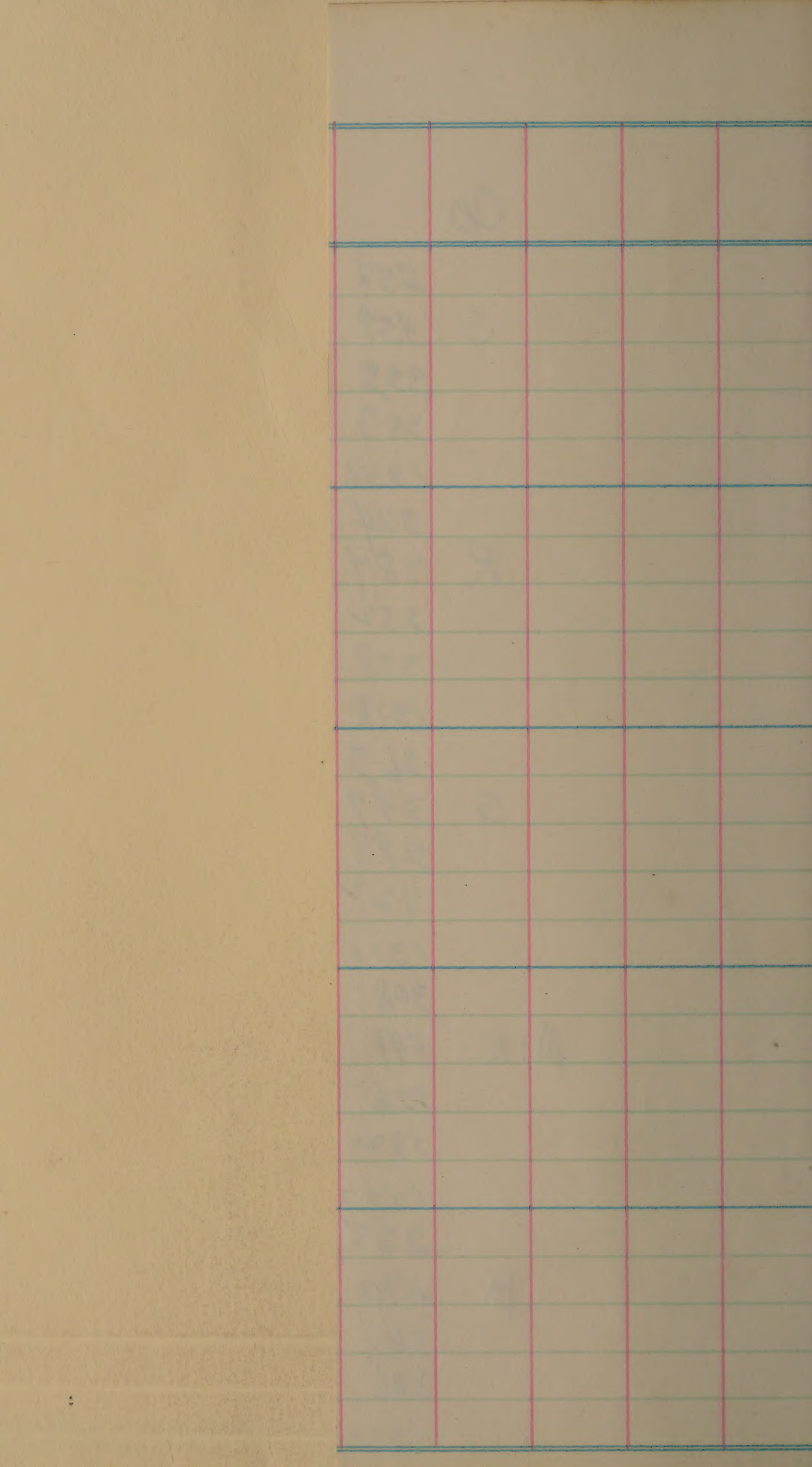
M

470

261

396

1382



44.5 2004

43.9 1977

45.7 2055

48.6 2186

46.1 2023

41

disc

48

148

S2920A38-17345²⁴³ 37 9/15 9/24 10/18 44

x Ark. Fort. 354 ✓

460 ✓

uni long
cut
guard

49

149

Texas
Fortuna

242 41 9/21 10/2 10/22 45

361

456

uni long
cut
guard

50

150

Bluebonnet 246 39 9/17 9/27 10/19 47

364 ✓

454 ✓

disc

51

151

B4033A4-43, 245 49 9/15 9/25 10/19 44

TPx R-7689 369

466 ✓

disc

52

152

B4026A5-6-4, 241 202 9/18 9/28 10/20 40

R-7689 x R 360 ✓

464 ✓

M-R
284
400
267
423
1374

M
300
420
285
476
1481

S
263
427
344
463
1497

S
270
474
381
384
1509

S
280
390
280
425
1375

41

48

disc
S2920A38-1734
x Ark. Fort.

uni long
cut
guard
49

Texas
Fortuna

uni long
cut
guard
50

Bluebonnet

disc
51

B4033A4-43,
TPx R-7689

disc
52

B4026A5-6-4,
R-7689 x R

error in all 3
numbers on
typed copy

45.8 2061

49.4 2222

49.9 2246

50.3 2264

45.8 2062

WUEW

53

153

C4-II-1-8-1, 252

Crawley

9/19

10/1

10/20

46

RXBR-R

357

465

good
BBT
type, mind too
tall.

CO

Sov
Aug

240

391

309

350

1298

43.0/935

~~Group #4, Midseason long~~

Test No. 4

54

154

9/13

cut
guard

CI-3625 a

257 ✓ 142

9/13

9/25 10/15

41

Glutinous

341 ✓

449

55

155

B45-2379,

256 ✓ 2379

9/17

10/1

10/19

46

Bluebonnet Sel. 349 ✓

451 ✓

56

156

9/15

B45-2372,

261 ✓ 2372

9/15

9/23

10/20

40

Anseline Gold 348 ✓

446 ✓

57

157

B45-2381,

265 ✓ 2381

9/21

10/8

10/23

44

Blue bonnet Sel. 347 ✓

438 ✓

58

158

B45-2382,

259 ✓ 2382

9/18

9/27

10/20

44

Bluebonnet 344 ✓

Sel.

440 ✓

cut
guard
line
book

disc

single

CO

203

R

314

296

398

1211

296

355

344

410

1405

283

R-M

349

280

421

1333

380

M or

272

seq?

422

549

1623

347

S

360

389

515

1611

some
year to be
in full grown
in full grown
may be constant
BBT
Viny
grows
Block
check
Brown
M
BBT

nick-grown
types
than BBT

Shorter straw than other BPs
has a sl. longer or more cyl. grain
has many with tips awns
v. good, Watch

40.41816

46.82108

error on typed copy

44.42000

54.12434

53.72416

59

*single
freak*

159
 B347B44-4, 258 ✓ 2259 9/17 9/26 10/23 44
 R x N 339 ✓
 443 ✓

60

*cut
guard*

160
 845-2449, 266 2449 9/23 10/5 10/28 53
 Nira Type 346 ✓
 450 ✓

61

161
 Hyb-Mix-9-44-3, 269 ✓ 2303 9/18 9/30 10/23 40
 TP + R x Long Sl. 340 ✓
 441

62

162
 Hyb-Mix-10-44-8, 263 ✓ 2325 9/20 9/30 10/19 40
 TP + R x R-D 338 ✓
 452 ✓

63

163
 Hyb-Mix-10-44-11, 260 ✓ 2328 9/16 9/25 10/19 42 ✓
 TP + R x R-D 350 ✓
 445 ✓

grading
 type
 red dot eggs
 brown + white

Co

R

290
 310
 290
 320
 1210

R

300
 330
 275
 445
 1350

deep
 or pale gold
 v. green egg

Sa egg

286
 457
 354
 396

deep
 or pale gold
 v. green egg

Sa egg

1493
 260
 236
 303
 341
 1146

do

Bn egg

292
 289
 269
 360
 1210

Stalks profusely.

Tall vegetative growth like *Min*

V. green vegetation, but
poor grain yield.

R-D growth like *V* green
vegetation, but little grain.

40.3 1815

45.0 2025

49.8 2240

38.0 1710

40.3 1815

64

164

B3713A19-2,

254 ✓

58 9/21 10/1 10/23 42

S x R

352 ✓

439 ✓

65

165

B3713A22-1-1,

262 ✓

207 9/17 9/27 10/22 43

S x R

353 ✓

448 ✓

66

166

B4044A3-4-1-1-1,

255 ✓

2092 9/23 10/13 10/30 41

R-SBR x BR

342 ✓

Supersting maturity

447 ✓

67

167

B4044A3-1-1-4,

264 ✓

2095 9/23 10/12 10/28 40

R-SBR x BR

343 ✓

453 ✓

68

168

B352A11-2-3-2,

268 ✓

63 9/23 10/6 10/30 42 ✓

K x R

351 ✓

442 ✓

CO

395

R

433

365

491

1684

312

R

348

234

346

1240

R

357

317

330

351

1355

R

273

255

285

373

1186

R

375

348

229

417

1369

ing from
type

ing
from type

de

56.12526

41.31860

45.22032

39.51779

45.62054

69

169

B4045A1-4-2, 267 ✓ 66 9/15 7/26 10/20 45

R-SBRXBR41 345 ✓

444 ✓

~~B4045A1-4-2~~

60

5

371

322

344

360

1397

segmenting height

46.6 2096

Late maturing varieties;
Test no. 5 (Uniform test)

uni late

70
C45-8087,
Guidry sel.

501

631

734

807

Crowley

10/7

11/11

48

uni late

71
C3-10,
7/8 Rexoro

502

629

737

809

Crowley

9/29

10/11

11/3

42

OK

uni late

72
C3-22,
7/8 Rexoro

503

625

733

801

Crowley

10/3

10/18

11/11

42

OK

uni late
and
ground

73
B4033A4-38-1, 634 270
TP x R-7689 727
817

504

10/1

10/16

11/10

45

OK

74

B4036A1-7, 627 133
R-D x R 722
803

505

10/1

10/15

11/8

45

P

Ho CO

R on
1/8
337
336
367
289
1329

R
384
475
335
432
1626

++

R on
1/8
342
331
351
1318

R on
1/8
320
336
266
383
1305

R
282
317
259
363
1221

Too tall & too late

Stiff straw Too much CO
considerable sterility

V. good vegetation but grain too sh
V. wide leaves

error on hypodermis

44.3 1994

54.2 2439

43.7 1965

43.5 1958

40.7 1832

cut
guard

75

506

10/1

10/12

11/6

45

Texas Patha

630

113

Sel-A

728

804

76

507

C3-73-3,

635

119 9/25

10/13

11/3

42

Rx P. hf.

735

812

OK

cut
guard

77

508

9/28

10/10

11/4

44

B3713A31

636

258

S x R

730

814

O.K.

cut
guard

78

509

10/15

11/19

43

Rexoro

622

112

736

816

79

510

B3313A1-20-4, 626

116

9/23

10/6

11/1

47

disc

Rx 7689

721

815

CO

S 304
447
269
307

1327

S 250
386
363
283
1282

R 365
603
392
570
1930

S 258
336
359
289
1242

R-

317
290
219
267
1093

much CO on 11/8, leaves dying
fast

Too much sterility

a very good fast ripening
type, Res gr type, not like
other S-R's v. long.
No CO

v good growth, much CO
showing on 11/8

v. many Ho spots, are rather
small, much more than usual
Considerable sterility

44.2/990

42.7/923

64.3 2895

41.4/1863

36.4/1640

80 511
 disc C3-I-2-23, 623 108 9/17 9/25 10/17 42
 BR x BR-R 732
 806

81 512
 disc C3-I-13-2-3, 632 107 9/12 9/23 10/18 46
 BR x BR-R 731
 802

82 513 10/1 10/20 46
 OK C3-I-2-25, 637 106
 BR x BR-R 726
 813

83 514 10/1 10/15 44
 OK C6-I-25-12, 633 118
 BR x BR-R 729
 805

84 515 10/1 10/19 11/8 52
 Delrex 624 111
 724
 811

CO

R 342
393
471
466
1672

bulfo R 394
Ho 430
304
358
1486

R 383
347
274
444
1448

R 358
R 376
349
372
1455

R 306
386
356
455
1503

Earlier than others, good
short straw, rough hulls
v. green straw

Too tall, panicles too
short,

green mg, grows too tall
rough hulls

short, green straw, good

Too tall

55.7 2508

49.5 2229

48.3 2172

48.5 2182

50.1 2254

cut
ground

85

516

9/26

10/8

11/3

48

B321B40-3,

621

110

RxD

725

808

86

517

C4-II-1-24-1, 628

C₂
C₁

9/25

10/3

11/1

50

Rx BR-R

723

810

Co

R

415

465

419

464

1763

478

411

146

478

1513

from 100m
1/8

Very thin stand in 3rd

R for
Jodan

No CO or $\frac{1}{8}$ and is dead up
straw still green.

much like T P for drying
no improvement
V. good milling quality at
Crowley.

58.82644

50.42270

Test No. 6

87

518

B4030A3-13, 604 134 9/23 10/10 11/8 40

R-7689xTP 711

dry

821

88

519

B4031A1-7-3, 603 2182 9/23 10/8 11/8 43

TPx R-SBR 709

831

89

520

10/7 10/17 11/12 43

B4031A1-7-8, 614 129

TPx R-SBR 712

825

90

521

10/7 10/19 11/10 50

Texas Patna 611 130

719

819

91

522

10/10 10/22 11/14 43

Hyb-Mix-9-44-36, 606 4210

TP+R x Long Sl. 701

836

cut
groundwatch this
long - 1/2 proming
factory
don't go to

CO

345

R on 388

$\frac{1}{8}$ 273

282

1288

392

$\frac{1}{8}$ 456

Same CO on 361

but 1 gr. neg 366

1575

308

Mod 240

on $\frac{1}{8}$ 205

217

970

348

S on 264

$\frac{1}{8}$ 334

327

1273

490

R on 352

$\frac{1}{8}$ 471

427

1740

much sturdiness, very green
stems, + short sturdy stems

much earlier than others
v. green stems on "1/8", earlier
than TP sel A

v. nice leaves, v. short stems
quite late, a med.-gr type
smooth, very sturdy stems

42.9 1932

52.5 2362

32.3 1455

42.4 1910

58.0 2610

large

92

523

10/10

10/22

11/17

45

Hyb-Mix-9-44-48,602 4223

720

832

93

524

10/7

10/20

11/11

45

Hyb-Mix-10-44-40,601 4373

718

824

cut
ground

94

525

10/3

10/15

11/8

46

B4033A4-6, 620 151

TPxR-7689 705

820

95

526

10/7

10/22

11/12

41

B4033A4-15-5, 615 132

TPxR-7689 710

827

96

527

10/7

10/22

11/10

41

B4033A4-15-6, 608 4115

TPxR-7689 707

829

Ho CO

268

R T 367

on 11/8

254

335

1224

318

M-S

276

very thin stand
in 3rd

but v gr. segs

208-

312

1114

359

436

419

434

1648

285

Mod

1871

on 11/8

264

234

970

271

R on 248

11/8

327

382

1228

Is resistant to H.O. &
has very green vegetation

leaf tips stay very green
good type
Excellent pota grain type

V. short stem, too late

6.9 58

3.7

25.4

335

40.8 18 36

37.1 16 71

54.9 24 72

32.3 14 55

40.9 18 42

97

528

10/7

10/21

45

B4033A4-17-1, 613 2214

TPxR-7689 704

828

98

529

10/6

10/19

11/11

43

B4033A4-6-19, 618 4157

TPxR-7689 703

818

99

530

B3713A17-2-4, 610 135 9/24 10/8 11/1 45

SxR 713

823

100

531

B3713A3, 617 136 9/23 10/8 11/1 44

SxR 708

837

101

532

B3713A3-1-1, 605 4336 9/20 10/3 11/1 45

SxR 717

822

R on 224
1/8 174
323
215
936

316
R on 333
1/8 324
409
1382

460
S on 472
1/8 261
438
1631

451
R 511
516
537

2015

426
R 553
Juv 270
mod on 1/8 433
1682

Too late.

Mane quite dry on 11/8

appears quite promising, may
ripen quite rapidly but still
standing O.K. on 11/8

dying back must be fast
on 11/8

31.2/1404

46.1 2073

54.4 2446

47.2 3022

56.1 2523

Cut
grind

102 533
 Java long 609
 Karang among 714
 "Caroline" 833

Houston (Samison)

10/1 10/15 11/15 52

103 534
 B355A2-36, 619
 E-F x 7143 716
 826

123 9/19 10/2 10/19 44

104 535
 B44-5012, 607
 Dwarf T. Patna 706
 834

10/4 10/14 11/10 28

105 536
 B352A1-59, 612
 K x R 715
 830

122 9/15 9/25 10/18 48

106 537
 CI-5398 616
 (Glutinous) 702
 835

9/9 9/18 10/20 40

143

$$\begin{array}{r}
 372 \\
 Rm \\
 18 \quad 275 \\
 \underline{460} \\
 1441
 \end{array}$$

299

290

$\frac{319}{908}$

106

$$\begin{array}{r}
 St \\
 21/8 \quad 121 \\
 \quad \quad 0
 \end{array}$$

174

401

389

R 360

336

465

1550

272

392

371

1035

Fairly good straw Very green
vegetation not too tall
standing very well on
11/8

disc beyond
lodged beyond
recovery

Very green
vegetation for a
long time

lodged badly on 10/20

lodged
beyond
recovery

48.0 2162

30.3 1362

13.4 602

51.7 2325

34.5 1552

Medium on medium short and medium
Test No 7 (Uniform test)

cut
guard

107	538	9/2	9/11	10/7	41
Acadia	669	72			
	767				
	838				

cut
guard

108	539	8/27	9/6	10/1	39
Caloro	654	71			
	755				
	839				

109	540	9/5	9/17	10/10	37
Asahi	668	70			
	758				
	852				

110	541	9/4	9/10	10/6	40
Calady 40	657	69			
	754				
	841				

111	542	9/5	9/17	10/7	43
Arkrose	667	73			
	765				
	848				

rain varieties:

CO

M

391

336

356

416

1499

M

322

276

189

308

1095

415

R

271

262

274

1222

M

324

399

331

351

1405

392

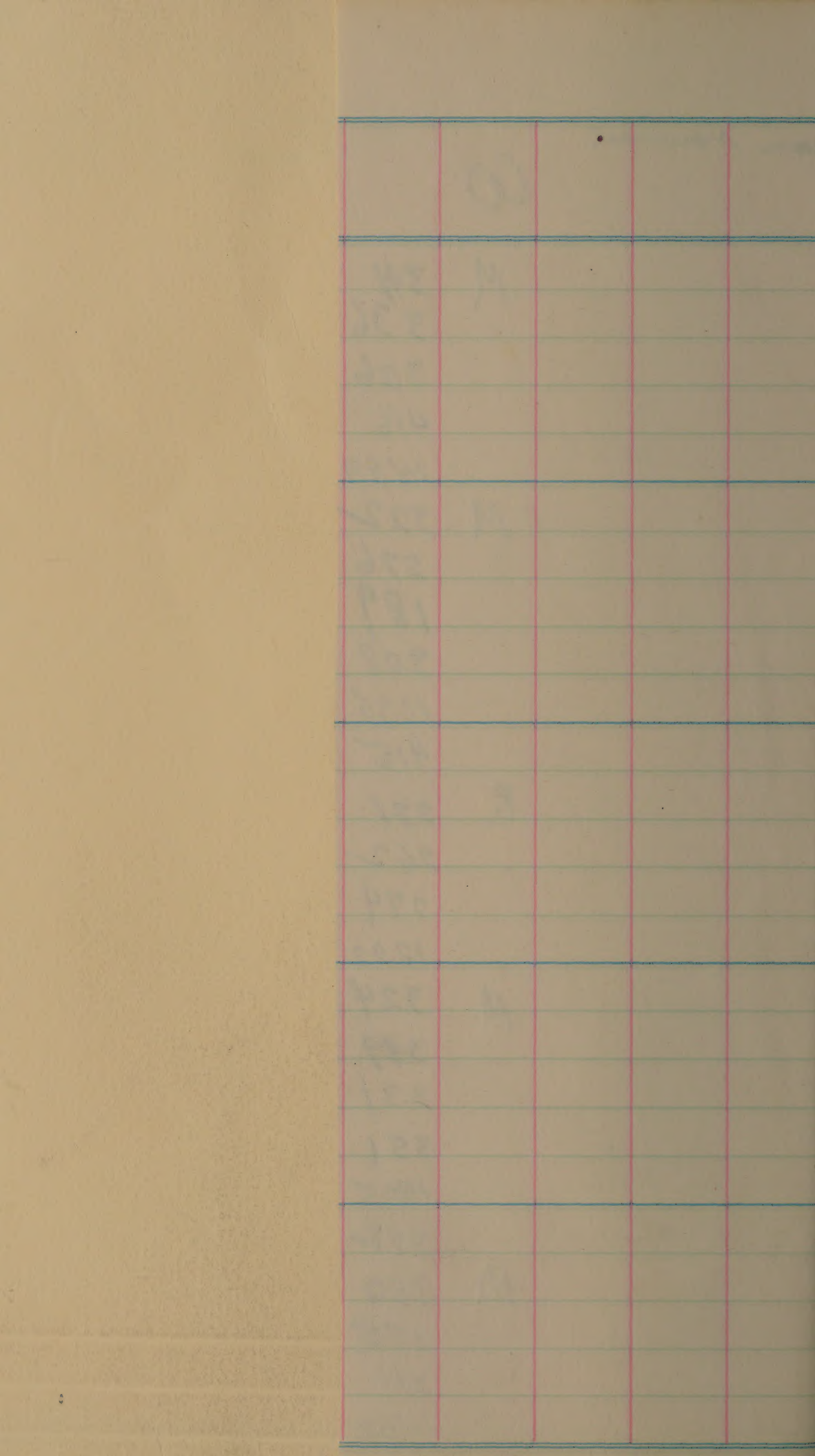
M

360

375

311

1438



50.02248

36.51642

40.71833

46.82108

47.92157

Cut
ground

112	543	9/5	9/11	10/7	44
Kamrose 34	666	74			
	761				
	842				

113	544				
C3-I-9-2-4,	663 ✓	82	9/15	9/24	10/13 45
BR x BR-R	769				
	849				

Cut
ground

114	545	9/10	9/21	10/13	44
Blue Rose 41	656 ✓				
	757				
	840				

Cut
ground

115	546				
B3710A1-3,	664	242	9/13	9/23	10/13 46
K-H x BR	760				
	846				

Cut
ground

116	547	9/9	9/20	10/13	44
Blue Rose	658 ✓	79			
	756				
	850				

Co

R. 408
390
289
343
1430
450
355
520
386
1711

R

488
433
339
435
1695

R

453
351
260
378
1442

480

470

390

373

1713

a typical
BP, no Co but
at larger 40 spots

same lodging on 10/13

same lodging on 10/13

47.7 2145

57.0 2566

56.5 2542

48.1 2163

57.1 2570

117

548

9/7

9/19

10/6

44

CI-8325 659 ✓ 80

(B2911A18-1-1, KxH) 762

843

118

549

9/9

9/20

10/13

44

B4015A4-1, 660 ✓ 84

K-BR x BR41 764

847

119

550

9/10

9/21

10/10

42

B3712A1-15-1-1-1, 665 239

K-H x BR

768

851

120

551

9/9

9/24

10/22

45

B44-2399, 661 ✓

Sm. BR, Sel. 759

845

121

552

B4112A5-5-1,

655 ✓

9/11

9/22

10/14

44

(B41-3282 x.

763

BR41)

844

cut guard

looks
very good

green
trans, band
a good
brushing,
BK type

me of heaviest
yellowish short
straw

from BK
types
V. green straw
stiffer than
BK (smooth) than 12/12
thinner early BK
not too thin

Co

R 363

398

305

374

1440

R 435

393

470

467

1765

R 583

493

451

440

1967

R 450

307

277

365

1399

R 350

405

385

397

1537

appears to be the best sm BK
type, later.

48.0 2160

58.8 2648

65.6 2950

46.6 2098

51.2 2306

122

553

9/16

9/25

10/19

45

B42-2693,

662 ✓ 83

Bruin. Sel.

766

853

60

R. 399

314

350

350

1413

47.1 2120.5

Test no. 8

123

554

9/21 10/14 42

disc

B376A2-7-2, 639 ✓ 85

IBR-FxS 740

855

ms
value

124

555

B376A72-4, 642 ✓ 9/15 10/1 10/28 47

IBR-FxS 742

856

length

125

556

9/9 9/23 10/13 41

Supreme 644 ✓ 90

Blue Rose 749

863

126

557

9/6 9/16 10/2 45

B4017A21, 640 ✓ 89

A-K x BR41 747

866

disc

127

558

9/9 9/21 10/13 47

B4015A19-2, 650 ✓ 86

K-BR x BR41 744

867

60

R

414

283

319

317

1333

R

442

380

367

374

1563

R

518

370

360

351

1599

R

427

409

345

438

1619

R

441

442

295

501

1679

rodgers
rodgers

Learning badly on 10/13
much worse on 10/22

44.4 2000

52.1 2344

53.3 2398

54.0 2428

56.0 2518

128

559

9/5 9/15 10/9 43

B4015A10-1, 653 ✓ 67

K-BR x BR41 750

865

129

560

9/6 9/16 10/10 41

C4016A 641 ✓ 68

K47 x BR41 739

868

130

561

9/7 9/16 10/11 39

B3712A21-3-2, 651 ✓ 98

K-H x BR 738 ✓

854

131

562

9/9 9/20 10/10 40

B3715A6-5-4, 652 ✓ 100

(3512A x SBR) 753

857

132

563

9/10 9/23 10/12 36

B352A1-21-1-2, 649 ✓ 102

K x R 741

864

Single

100 lbs
body

CO

R

353

268

254

335

1210

100 lbs
milkstand

R

406

303

435

402

1546

100 lbs
milkstand

R

372

353

411

438

1574

R

331

268

266

300

1165

100 lbs
grain yield

R

291

263

250

363

1167

821	3			
822				
823				
824				
825				
826				
827				
828				
829				
830				
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898				
899				
900				

40.3 1815

51.5 2319

52.5 2361

38.8 1748

38.9 1750

133

564 8/31 9/9 9/7 36
 B344B41-2, 646✓ 103
 CA x K 743
 869

134

565 9/7 9/16 10/10 36
 B3810B44-12, 645✓ 2041
 S-EPx CA-Cdy 745
 860

135

566
 B45-2465, 638✓ 2465 9/21 10/20 38
 S-EPx CA-Cdy 752
 861

136

567
 B44-2416, 648✓ 9/17 9/28 10/23 41
 Sm.BR. Sel 746
 862

137

568 8/27 9/5 9/25 33
 Mochi Gome 643✓
 (Glutinous) 748
 858

Co

good

R 297
349
249
398
1293

green top
shaved top
type much
segregation

R 418
371
311
456
1556

short
shaved med.
smooth type

R. 391
361
293
292
1337

gold hulled
smooth med. & type
natural green
V. green shaw
promising

R 393
368
344
333
1438

V. poor

? 170
187
130
200
687

200	2			
201				
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250				

43.1 1940

51.9 2334

44.6 2006

47.9 2157

22.9 1030

138

569

9/8

9/19

10/12 39

B44-2396, 647✓

Sm. BR. Sel. 751

859

rod smooth
called B.P.

CO

R.

469

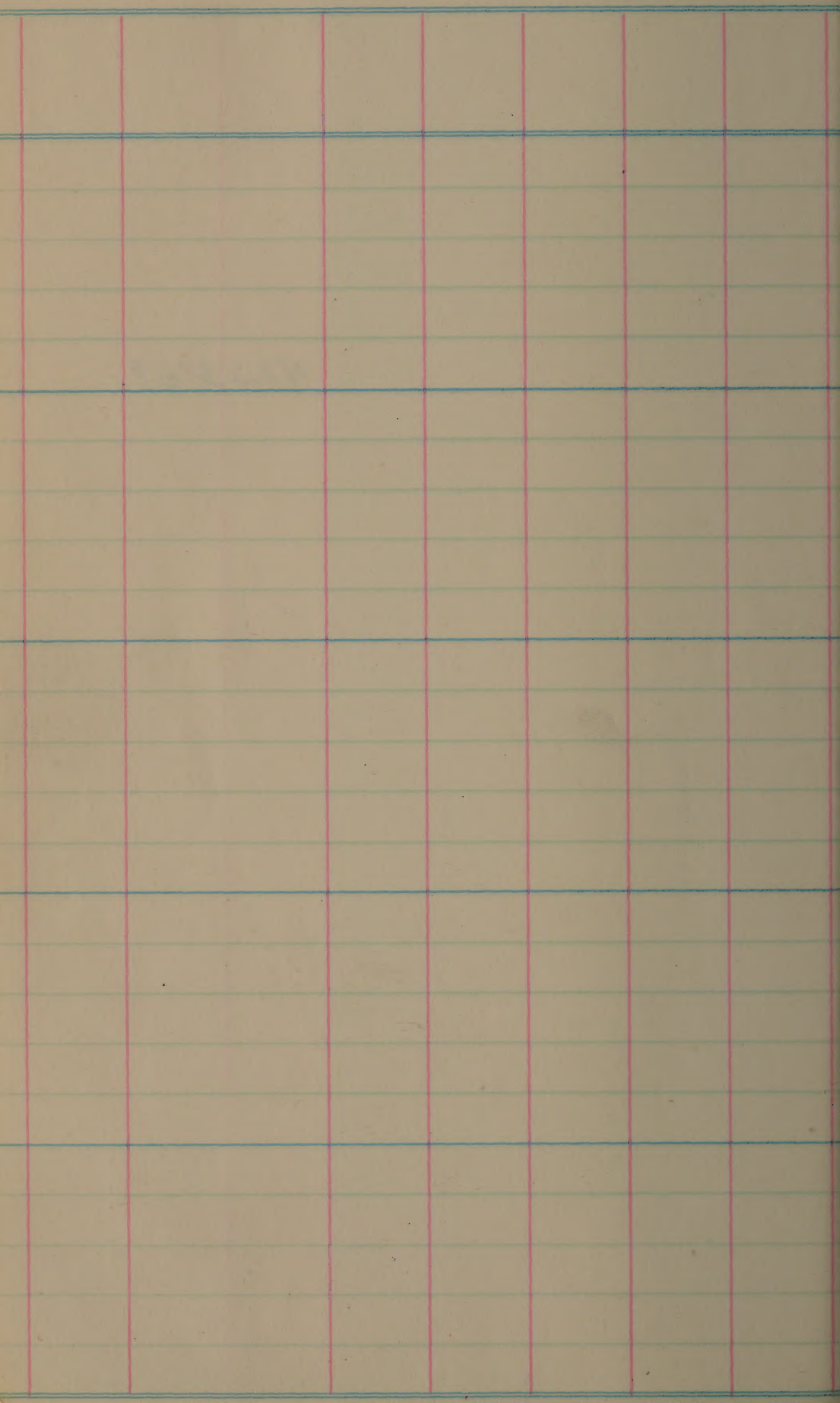
334

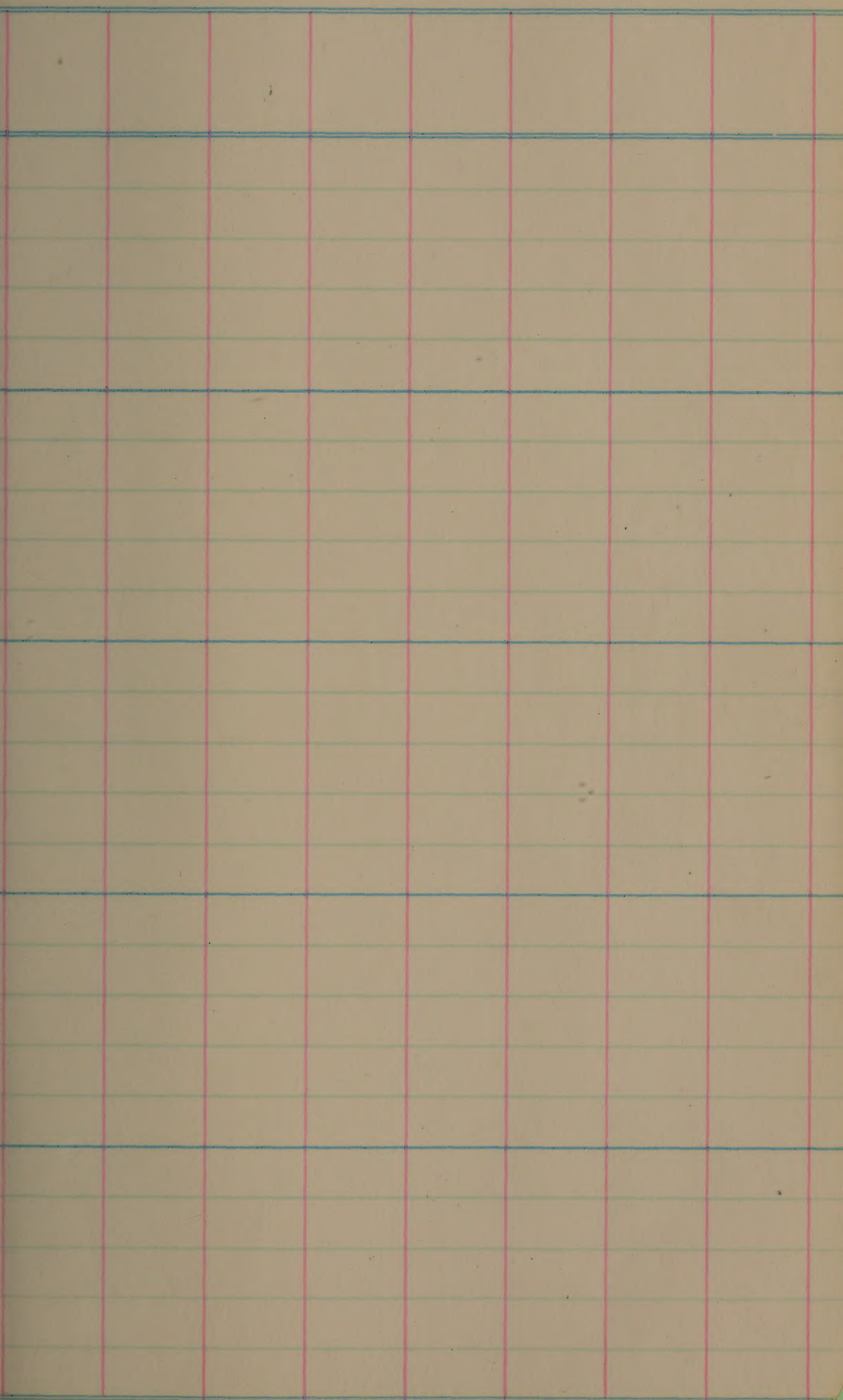
285

358

1446

48.22/69





IN WITNESS WHEREOF, I have hereunto set my hand and the seal of the
Department of the Interior, at Washington, D.C., this 1st day of
January, 1900.

W. A. RICHMOND, U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C.

U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C.

IN TEST OF PLANT IDENTIFICATION
Department of the Interior, U.S. Geological Survey
Washington, D.C.

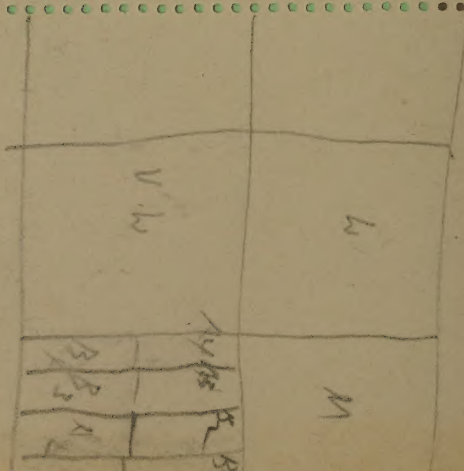
If this notebook is lost will finder please use the attached frank and mail to: The Division of Cotton and Other Fiber Crops and Diseases. No postage stamps are required.

U. S. DEPARTMENT OF AGRICULTURE
Official Business

Penalty for private use to avoid pay-
ment of postage, \$300

U. S. DEPARTMENT OF AGRICULTURE,
WASHINGTON, D. C.

BUREAU OF PLANT INDUSTRY
Division of Cotton and Other
Fiber Crops and Diseases



$$\begin{array}{r} 24 \\ 24 \\ \hline 96 \\ 48 \\ \hline 57 \end{array}$$

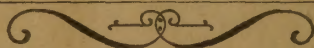
1946

Henry M. Beachell

COMPLIMENTS OF
I. D. ROBERTSON & COMPANY
INSURANCE

700 American National Bank Building
TELEPHONE 6232

1946 — Calendar — 1946



JANUARY

SUN	MON	TUE	WED	THU	FRI	SAT
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

JULY

SUN	MON	TUE	WED	THU	FRI	SAT
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

FEBRUARY

SUN	MON	TUE	WED	THU	FRI	SAT
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28		

AUGUST

SUN	MON	TUE	WED	THU	FRI	SAT
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

MARCH

SUN	MON	TUE	WED	THU	FRI	SAT
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

SEPTEMBER

SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

APRIL

SUN	MON	TUE	WED	THU	FRI	SAT
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

OCTOBER

SUN	MON	TUE	WED	THU	FRI	SAT
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

MAY

SUN	MON	TUE	WED	THU	FRI	SAT
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

NOVEMBER

SUN	MON	TUE	WED	THU	FRI	SAT
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

JUNE

SUN	MON	TUE	WED	THU	FRI	SAT
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

DECEMBER

SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Tuesday, JANUARY 1

1st Day—364 days to come

	Clear
	Cloudy
	Rain
	Snow

get variety data and fut.
data for Broussard

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Wednesday, JANUARY 2

2nd Day—363 days to come

Thursday, JANUARY 3

3rd Day—362 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

	Clear
	Cloudy
	Rain
	Snow

Friday, JANUARY 4

4th Day—361 days to come

Saturday, JANUARY 5

5th Day—360 days to come

	Clear
	Cloudy
	Rain
	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Sunday, JANUARY 6

6th Day—359 days to come

Monday, JANUARY 7

7th Day—358 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

	Clear
	Cloudy
	Rain
	Snow

Tuesday, JANUARY 8

8th Day—357 days to come

Wednesday, JANUARY 9

9th Day—356 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

	Clear
	Cloudy
	Rain
	Snow

Thursday, JANUARY 10

10th Day—355 days to come

Friday, JANUARY 11

11th Day—354 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Saturday, JANUARY 12

12th Day—353 days to come

Sunday, JANUARY 13

13th Day—352 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, JANUARY 14

14th Day—351 days to come

Tuesday, JANUARY 15

15th Day—350 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Wednesday, JANUARY 16

16th Day—349 days to come

Thursday, JANUARY 17

17th Day—348 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Friday, JANUARY 18

18th Day—347 days to come

328.488 bbls Bluebonnet hauled to Lab
 51.23 " " from station " "

379.718 Total

60 bbls sold to Dishman Bros (60 bbls).

100x Herbert Cole (1620 #) 10 bbls

89x Duplex 89 bbls

39½x Rich Imp Acen 39½ bbls

7725 Mitchell Bros (47.7 bbls)

5640[#] Dishman Bros (34.8 bbls)

31x Manuel (5530) (34.1 bbls)

35x ^{William} Mr. Smith (5660) (34.9 bbls)

~~Herbert Cole~~

350 bbls

1180[#] 8st number 2 from Station seed
 20st number 2 from R. Imp. seeds

Saturday, JANUARY 19

19th Day—346 days to come

Clear
Cloudy
Rain
Snow

Hauled 6 loads Bt to
Deslman warehouse on 19th 20th

ntas follows: from station

8805

april 2 = 50 ox

8990

nt = 8300

8840

51.25 bbls

8935 ✓

8 ox. #2

8980 ✓

8665 ✓

53215 # n 328.488 bbls

60 bbls to Deslman Bros

Balance = 268.488

125. bbls. returned

143 balance for sale

268.488

51

319. bbls

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Sunday, JANUARY 20

20th Day—345 days to come

Monday, JANUARY 21

21st Day—344 days to come

Clear
Cloudy
Rain
Snow

Cleaning Dishman Rice
worked $14\frac{1}{2}$ days

Jan 21 to Feb 6.

Mr Green labor = \$75.00

Clarence = \$18.00

gas & oil = 21.15

114.15

1.5
129.15

Prob. 20¢ per hbl.

gas & oil used (cleaner's trade)

	.95
1.	45
5.	50
1.	90
	.95
	.95
	.95
1.	50
1.	60
1.	90
1.	60
2.	00

\$21.15

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Tuesday, JANUARY 22

22nd Day—343 days to come

Wednesday, JANUARY 23

23rd Day—342 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Thursday, JANUARY 24

24th Day—341 days to come

Friday, JANUARY 25

25th Day—340 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Saturday, JANUARY 26

26th Day—339 days to come

Sunday, JANUARY 27

27th Day—338 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, JANUARY 28

28th Day—337 days to come

Tuesday, JANUARY 29

29th Day—336 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Wednesday, JANUARY 30

30th Day—335 days to come

Thursday, JANUARY 31

31st Day—334 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Friday, FEBRUARY 1

32nd Day—333 days to come

Saturday, FEBRUARY 2

33rd Day—332 days to come

	Clear
	Cloudy
	Rain
	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Sunday, FEBRUARY 3

34th Day—331 days to come

Monday, FEBRUARY 4

35th Day—330 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Tuesday, FEBRUARY 5

36th Day—329 days to come

Wednesday, FEBRUARY 6

37th Day—328 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Thursday, FEBRUARY 7

38th Day—327 days to come

Friday, FEBRUARY 8

39th Day—326 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Saturday, FEBRUARY 9

40th Day—325 days to come

Sunday, FEBRUARY 10

41st Day—324 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, FEBRUARY 11

42nd Day—323 days to come

Tuesday, FEBRUARY 12

43rd Day—322 days to come

	Clear
	Cloudy
	Rain
	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Wednesday, FEBRUARY 13

44th Day—321 days to come

Thursday, FEBRUARY 14

45th Day—320 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

	Clear
	Cloudy
	Rain
	Snow

Friday, FEBRUARY 15

46th Day—319 days to come

Trip to Angleton

Le 7 am ar Angleton 10:00
 Dinner
 Lo Angleton 3:30 pm ar. Bush 7 PM

Saturday, FEBRUARY 16

47th Day—318 days to come

	Clear
	Cloudy
	Rain
	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Sunday, FEBRUARY 17

48th Day—317 days to come

Trip to England

7 am - on English ship

Arrived 2:50 pm on Feb 17th

Monday, FEBRUARY 18

49th Day—316 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Tuesday, FEBRUARY 19

50th Day—315 days to come

Wednesday, FEBRUARY 20

51st Day—314 days to come

Clear
Cloudy
Rain
Snow

	Clear
	Cloudy
	Rain
	Snow

Thursday, FEBRUARY 21

52nd Day—313 days to come

Lv. Bmt 8:00 am. Arr 10:00
visited connected no mail

Lv Houston 11:15 am
arr alvin, 12 noon Dinner

Lv alvin 5:00 pm

arr Houston 6:00 Supper

Lv " 8:30

arr Bmt 10:30.

Crowley March 5+6

Lv.

Friday, FEBRUARY 22

53rd Day—312 days to come

Clear
Cloudy
Rain
Snow

Feb 15th d

" 21 d
S

March 5 d
S
Bk

1.25

6 D

April 9th To Bay City return
no charges

May 14th Houston

	Clear
	Cloudy
	Rain
	Snow

Saturday, FEBRUARY 23

54th Day—311 days to come

Sunday, FEBRUARY 24

55th Day—310 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Tuesday, FEBRUARY 26

57th Day—308 days to come

Clear
Cloudy
Rain
Snow

Texas Patna

203 field

16 pure seed

219 sx. (approximately
original 230 bbls)

Bluebonnet (early field)

805 sx after forming 900
before

130 bbls at .85¢ = \$960.50

Bluebonnet (late field)

356 sacks before cleaning
as it come in from combines

	Clear
	Cloudy
	Rain
	Snow

Wednesday, FEBRUARY 27

58th Day—307 days to come

Dishman

continuing T. P. and Bluebonnet

alga cleaner seed 36 $\frac{1}{2}$ ¢

seed treating - 2 15[#] copper 36¢

cleaning seed. = 725 bbls @ 20¢

60 bbls. Bt seed mix	\$630 ⁰⁰
alga cleaner	36.50
copper dust	95.00
20# Terepant dust	
cleaning seed	145.00

\$901.50

Combining TP & Bt = \$960.50

area of 3 gallon jar for water seedling expt
is 63.61 sq. inches

Thursday, FEBRUARY 28

59th Day—306 days to come

Clear
Cloudy
Rain
Snow

Mitchell:

combining late Bluebonnets 356

Cyanamide (25 ex)

cleaning T.P. and scenting rice
130 lbs. 20 lbs.

Treating seed - 260[#] copper

(1 $\frac{1}{2}$ ex. R x D for seed purposes)

5882² 56.03 bbls. Bluebonnet at \$10.50

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Friday, MARCH 1

60th Day—305 days to come

Saturday, MARCH 2

61st Day—304 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Sunday, MARCH 3

62nd Day—303 days to come

~~See Cap. Boyt about Robert~~
~~and me~~
~~call Bobby Robertson about shingles~~
~~Call E. T. Fuller about sheet rock.~~
~~call Herbert about sheet rock~~
~~ask Berwick to find out about~~
~~color of asbestos siding.~~
~~Fix up bills for Richman's~~
~~+ Rice Imp. Assn. transactions~~
~~Discuss refrigeration unit with~~
~~Cap + Clyde,~~
~~go by Burrus Lmb. Co. first thing~~
~~and by Taxmaster's office~~

Clear
Cloudy
Rain
Snow

Tuesday, MARCH 5

64th Day—301 days to come

~~Call Black. office, ask for Mrs. Smith~~
~~Call gas co. about house no.~~
~~Call Mahlon Lang~~
~~Call City Hall, Inspection Dept.~~

9185W
Maklon
Lange

Wednesday, MARCH 6

65th Day—300 days to come

Clear
Cloudy
Rain
Snow

Plumbing fixtures

8235-J
Cook Barnum
place

OK shelf back closet - F 2040
F 2005 silent type

OK Pedestal lavatory

F 137 (20 x 24).

~~Wall lavatory~~

~~F 367 (Porcelain)~~

~~P 386 7R (Cast iron)~~

2. Compartment swing spout
sink.

P 7037

O.K. 5 foot recess tub with
shower

20 gallon hot water heater

	Clear
	Cloudy
	Rain
	Snow

Thursday, MARCH 7

66th Day—299 days to come

Send Jordan duvals for Kadam

Went by

Rice samples for Mexico

Zenith

Bluebonnet

Fortuna

Blue Rose

Rexro

Friday, MARCH 8

67th Day—298 days to come

	Clear
	Cloudy
	Rain
	Snow

~~Treat seed at Dickinson warehouse~~
~~ask galloway about water~~
~~Handling of Rice Duplex soon crop.~~
~~Contract with Duplex~~
~~Call Tullis about further water~~
~~treatments.~~

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Saturday, MARCH 9

68th Day—297 days to come

Sunday, MARCH 10

69th Day—296 days to come

	Clear
	Cloudy
	Rain
	Snow

Head Rows =

146 68

72 42

78 18

68 30

70 132

84 17

69 118

37 72

31 79

26 480

68 2615

49

16

46

25

17

11

31

44

13

59

16
30
480

480 Fz not thresher

	Clear
	Cloudy
	Rain
	Snow

Monday, MARCH 11

70th Day—295 days to come

$$100 \times 960 \\ 846$$

$$115 \times 846 \\ 715$$

$$140 \times 715 \\ 555$$

$$200 \times 555 \\ 326$$

Fert

all soaked

3 treatments of seeds.

Fertilizer

Tuesday, MARCH 12

71st Day—294 days to come

Clear
Cloudy
Rain
Snow

Use 4[#] seed for field plot
variety test (3 replications)

Should we concentrate on
fertilizers or methods of handling
water.

Drain at various dates as
compared with continuous submergence

~~call Clyde about fertilizer~~

~~Fix up contract~~

~~Letters to Conard & Co~~

~~Wash. Co~~

~~Stam. Co~~

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Wednesday, MARCH 13

72nd Day—293 days to come

Thursday, MARCH 14

73rd Day—292 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Friday, MARCH 15

74th Day—291 days to come

Saturday, MARCH 16

75th Day—290 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Sunday, MARCH 17

76th Day—289 days to come

Gulf Coast Rice Production Co.
 Attn: C. C. Willis
 Bay City, Texas.

Mr. J. C. Lewis, Pres.
 First National Bank, Bay City

Consolidated Steel of Texas
 Attn: Mr. R. R. Bowley, Contr. Engr.

Mr. J. A. Hanson, Wharton, Texas.

Wheaton Bank.

Monday, MARCH 18

77th Day—288 days to come

Clear
Cloudy
Rain
Snow

Call Burrus Lumber Co.

Copy letter for Roe + Willis

Send me samples to converted

get samples ready for Adam +

Jordan.

get seedling plants ready for

Bay City.

get money from Association

and check sent to Hesman Bros

Write letter to Gray for Clyde.

Call gas Company

Write G.A. Harrison, Wharton

Settle up with Mitchell Bros

Call Smitty

	Clear
	Cloudy
	Rain
	Snow

Tuesday, MARCH 19

78th Day—287 days to come

5 ✓

4 1/2 ✓

7 ✓

5 ✓

1 1 1/2 ✓

1 7 1/2 ✓

1 2 ✓

4 ✓

20

65

2

67 or

12

54 or for P.I.

20

74

276

150

Wednesday, MARCH 20

79th Day—286 days to come

Clear
Cloudy
Rain
Snow

Tray sown in water on
March 15. Seed copper treated & soaked
on 11th. (PM). removed from soak on 13th (AM)

High temperature tray emerged
from water on 20th. On 21st
about 200 seedlings were emerged
from the water. — tray still had
 $2\frac{1}{2}$ " water. 6" at start. Temperature
ramp from 27 at night (80.6) to
over 35 during day (95.6) on soil
surface.

Low temperature tray emerged
from water on 24th

	Clear
	Cloudy
	Rain
	Snow

Thursday, MARCH 21

80th Day—285 days to come

Gibson or Rowley with Low-chen
percentage 2-4D of methyl ester
sent to Tullis.

Back-wire - double prong.

Friday, MARCH 22

81st Day—284 days to come

	Clear
	Cloudy
	Rain
	Snow

meeting with Consolidated
Steel + College Station

Engg.

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Saturday, MARCH 23

82nd Day—283 days to come

Sunday, MARCH 24

83rd Day—282 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, MARCH 25

84th Day—281 days to come

sign & send off voucher for
 shorts. garage
 Stagg Supply Co.

get membership certificate to Cap.
 fix up by-laws.

get letters off to Wallis, etc.

send colored rice to O'Donnell.

send seeds to Adam & Jordon

Letters to N. Mexico & Travis Wilk

Quarrels to Jones.

seeding plans for Bay City.

	Clear
	Cloudy
	Rain
	Snow

Wednesday, MARCH 27

86th Day—279 days to come

Thursday, MARCH 28

87th Day—278 days to come

	Clear
	Cloudy
	Rain
	Snow

Working of Pine Island 100 acre
block soon to rice

1 - tandem disc

1 - tandem disc

1 - tandem disc

1 - land leveler

1 - tiller plow

1 - pipe harrow

1 - land leveler

1 - plow lines

1 - push lines

1 - spring tooth with drag harrow

1 - drill

1 - cultipacker

1 - plow lines

1 - push lines

rain

1 plow lines

1 push lines

9 times over land

	Clear
	Cloudy
	Rain
	Snow

Friday, MARCH 29

88th Day—277 days to come

Saturday, MARCH 30

89th Day—276 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Sunday, MARCH 31

90th Day—275 days to come

Monday, APRIL 1

91st Day—274 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Clear
Cloudy
Rain
Snow

Tuesday, APRIL 2

92nd Day—273 days to come

Duplex started seeding Bluebonnet.
Completed Bluebonnet on 3rd

Seeded T. P. straw 4th & 5th

Bluebonnet treated with arason.
TP treated with Copper.

Considerable BBT came up
immediately, by April 26th
practically everything up.

Wednesday, APRIL 3

93rd Day—272 days to come

Clear
Cloudy
Rain
Snow

Duplex hauled out 89 ~~ex~~ BBT.

4-2 = 26 ~~ex~~ 3920

4-2 22 ~~ex~~ 3880

4/3 22 ~~ex~~ 3880

4/4 19 ~~ex~~ 11680

89 ~~ex~~ total Bluebonnet

Duplex 4-5 50 ~~ex~~ } 52 ~~ex~~ Texas Patna
 returned 4-5 7 ~~ex~~ }
 5 ~~ex~~ mt = 8871 #

Herbert Cole

may? 10 ~~ex~~ mt = 1620

mannel 31 ~~ex~~ mt. = 5530

35 ~~ex~~

mitcheb from accn.

Total seed used in 1946

Duplex

139 BB

52 TP

8 ~~ex~~ pth

Bluebonnet = 89 ~~ex~~

Texas Patna = 52 ~~ex~~

accn

Bluebonnet = 50 ~~ex~~

R x N = 8 ~~ex~~

	Clear
	Cloudy
	Rain
	Snow

Thursday, APRIL 4

94th Day—271 days to come

Friday, APRIL 5

95th Day—270 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

	Clear
	Cloudy
	Rain
	Snow

Saturday, APRIL 6

96th Day—269 days to come

Sunday, APRIL 7

97th Day—268 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, APRIL 8

98th Day—267 days to come

Tuesday, APRIL 9

99th Day—266 days to come

Clear
Cloudy
Rain
Snow

Trip to Bay City & return to
seed variety & fertility tests
sown on Harper farm south of
Buckeye.

↑
W

→ North

first test

Variety test

Earlies:

1 ~~Harper~~ Zenith

2 3 Zenith

3 1 E.P.

4 5 Magnolia

5 6 Prelude

6 12 Candler Sun

7 13

8 25 Hill Long

9 48 R-SKR base

10 71 Calico

11 72 Acadia

12 20 C.F. 6796

13 21 - Gumbel

14 102 - B352A1-21

15 103 - B344B41-2

16 104 - B344B41-6

17 73 - Arkansas

18 74 - Blue River

19 78 - Blue River 41

20 39 - Blue River

21 46 - R x N (40-9)

22 45 - Nina

23 41 - Fortuna

24 220 - C.F. 6796

25 221 - Gumbel

26 102 - B352A1-21-1

27 103 - B344B41-2

28 104 - B344B41-6 base

29 113 Texas Patina

30 112 Resora

31 111 Delux

32 110 R x D

33 113 Texas Patina

34 112 Resora

35 111 Delux

of taller more red
and lighter green color
than B41-6

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Wednesday, APRIL 10

100th Day—265 days to come

Thursday, APRIL 11

101st Day—264 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

	Clear
	Cloudy
	Rain
	Snow

Friday, APRIL 12

102nd Day—263 days to come

Saturday, APRIL 13

103rd Day—262 days to come

	Clear
	Cloudy
	Rain
	Snow

Clear
Cloudy
Rain
Snow

Sunday, APRIL 14

104th Day—261 days to come

material for sowing at Pine Island.

B4033A 4-43 from P.I. increase block

R x N head row block

Bluebonnets head row block.

B4033A 4-47 increase block from P.I.

B347B 42-10-1 to 12 (5318-30)

B4026A 5-b-4-164 (5331-34)

Sow in Texas Patna field

B4031A 1-78 sds and

B4033A sds and

B4036A 1-7 sds and

R x N x P r $\frac{1}{2}$ seed.

Monday, APRIL 15

105th Day—260 days to come

Clear
Cloudy
Rain
Snow

Call Mitchell about Hill Long grain
write Jones
send off Adam seed.
ask Wyebe about Stagg water plantings.

approximate length of south
1/2 field = 4,378 ft (along road)
East 1026 feet.

Bluebonnet seed for Duplex show
4 rds per lb.

(amelia)
Station seed showed - 2 runs
Pure seed (0 x) 4 rds + 6 rds
Cannon seed (none)
R x N seed (none)
? (probably none)

	Clear
	Cloudy
	Rain
	Snow

Tuesday, APRIL 16

106th Day—259 days to come

Wednesday, APRIL 17

107th Day—258 days to come

	Clear
	Cloudy
	Rain
	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Thursday, APRIL 18

103th Day—257 days to come

Friday, APRIL 19

109th Day—256 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Saturday, APRIL 20

110th Day—255 days to come

Sunday, APRIL 21

111th Day—254 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Monday, APRIL 22

112th Day—253 days to come

Tuesday, APRIL 23

113th Day—252 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Quers Variety Test

3 - Smith	1		
6 - May	2		
18 - 11-0609	3		
2 - Magnolia	4		
12 -	5		
13 -	6		
14 -	7		
25 - Hill Long Rain	8		
27 - B402111-3-3	9		
P.I. B402111-4-13-3	10		
P.I. B402111-4-1	11		
P.I. B402111-4-1	12		
39 - B402111-4-1	13		

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Wednesday, APRIL 24

114th Day—251 days to come

Fast, steady

Good

101 days

100 days

100 days

100 days

100 days

100 days

100 days

100 days

100 days

Thursday, APRIL 25

115th Day—250 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Friday, APRIL 26

116th Day—249 days to come

Saturday, APRIL 27

117th Day—248 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Sunday, APRIL 28

118th Day—247 days to come

Monday, APRIL 29

119th Day—246 days to come

	Clear
	Cloudy
	Rain
	Snow

Call National Concrete
Texas Storage
Pat Boyt
Maklan Long

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Tuesday, APRIL 30

120th Day—245 days to come

Wednesday, MAY 1

121st Day—244 days to come

	Clear
	Cloudy
	Rain
	Snow

Clear
Cloudy
Rain
Snow

Thursday, MAY 2

122nd Day—243 days to come ^{2nd series}

North 1st series		2nd series	
Rx SBR (Desired)		14	6 - Prelude (follows 13)
6 - Prelude		15	3 - Zenith
3 - Zenith		16	R-SBR
13 - Jodon		17	magnolia
32 ¹ B4033A4-47-1 (P.I.)		18	12
magnolia (F.P.)		19	13
-4031A1-3-3 (5 ⁺)		20	14 E-FVS-F
- E-FxS-F (14)		21	Hill Long grain
B4033A4-43-3 (P.I. 2nd)		22	B4031A1-3-3
B4031A1-24-1 (P.I.)		23	B376A2-72-4
12 (Jodon)		24	B4033A4-43-3
B376A2-72-4		25	B4031A1-24-1
Hill Long grain		26	B4033A4-47-1

South

Desires Variety Test
from May 2nd

n to South
West edge of
plot.

followed by 4 rounds
of Rx SBR clear above plot to
of fence east side. Remains
on S side Hill Long grain.
Rx SBR — behind the
Variety test —

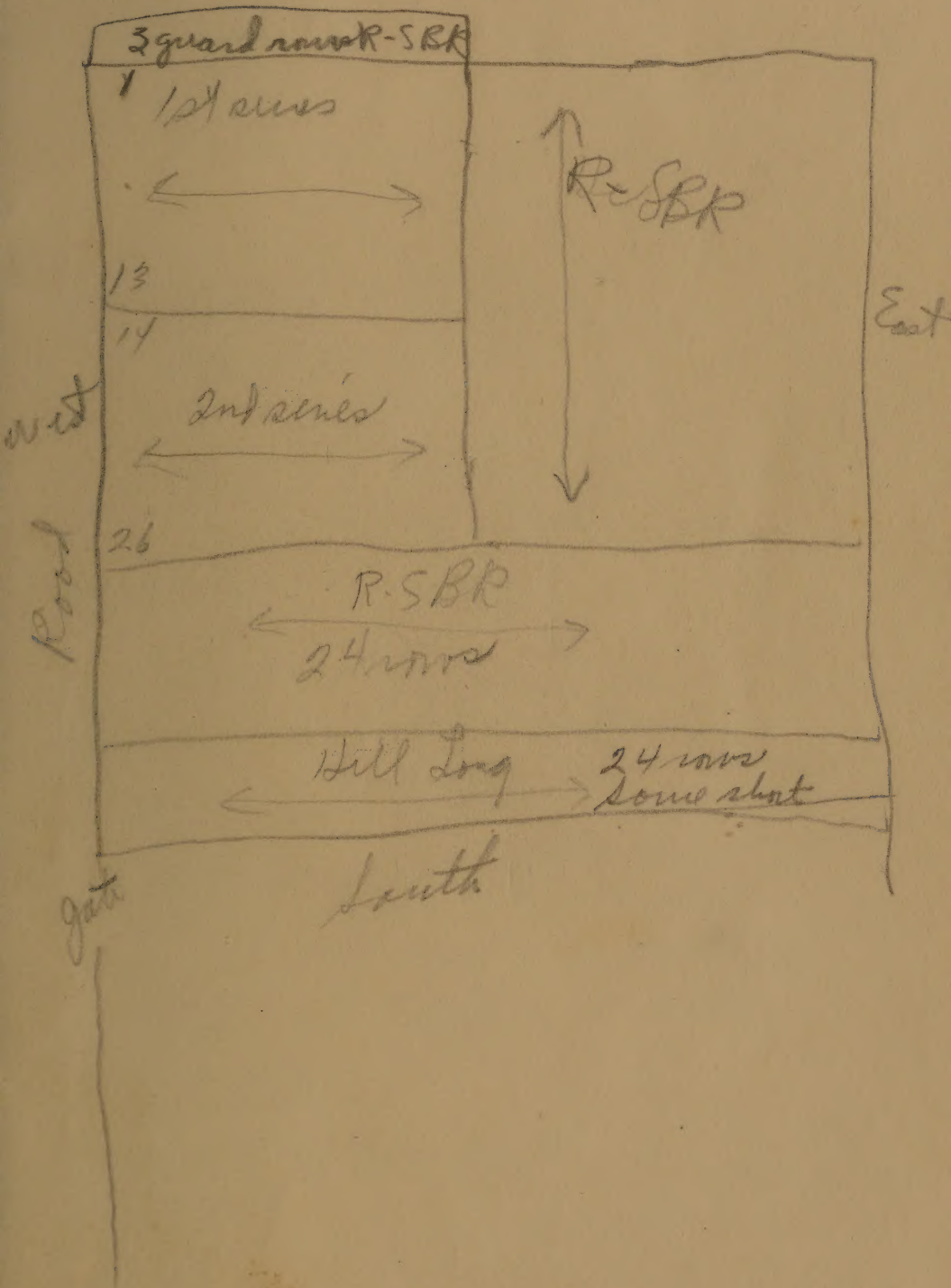
Used 200 # fertilizer, prob. sk over
200 # per A

Friday, MAY 3

123rd Day—242 days to come

	Clear
	Cloudy
	Rain
	Snow

North



	Clear
	Cloudy
	Rain
	Snow

Saturday, MAY 4

124th Day—241 days to come

Sunday, MAY 5

125th Day—240 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, MAY 6

126th Day—239 days to come

Ran lines on 100 acres at P.I.

Tuesday, MAY 7

127th Day—238 days to come

	Clear
	Cloudy
	Rain
	Snow

For seeding at P.I.

North end of field:

1. - 1600 Bluebonnet head rows
2. - 102x Bluebonnet pure seed
3. - C.W.S. material (see Tullio diagram)
4. - Texas Patna maturity material
B4033A4-38 increase rows (4/21 to 38)
B4031A1-7-8 " "
B4036A1-7 " "
R x P₂ 1/4 material "
Texas Patna check "

field plots +
single bush

South end of field

- 1-acre Cody
- 10 - acres R x N material
- Two variety tests
- 1000 head rows of B347B40-9
- Small increase blocks of
new R x N sel + R-7689 x R
selection
- Increase of B4033A4-43-3, from P.I.

field plots
of some range of rows

Clear
Cloudy
Rain
Snow

Wednesday, MAY 8

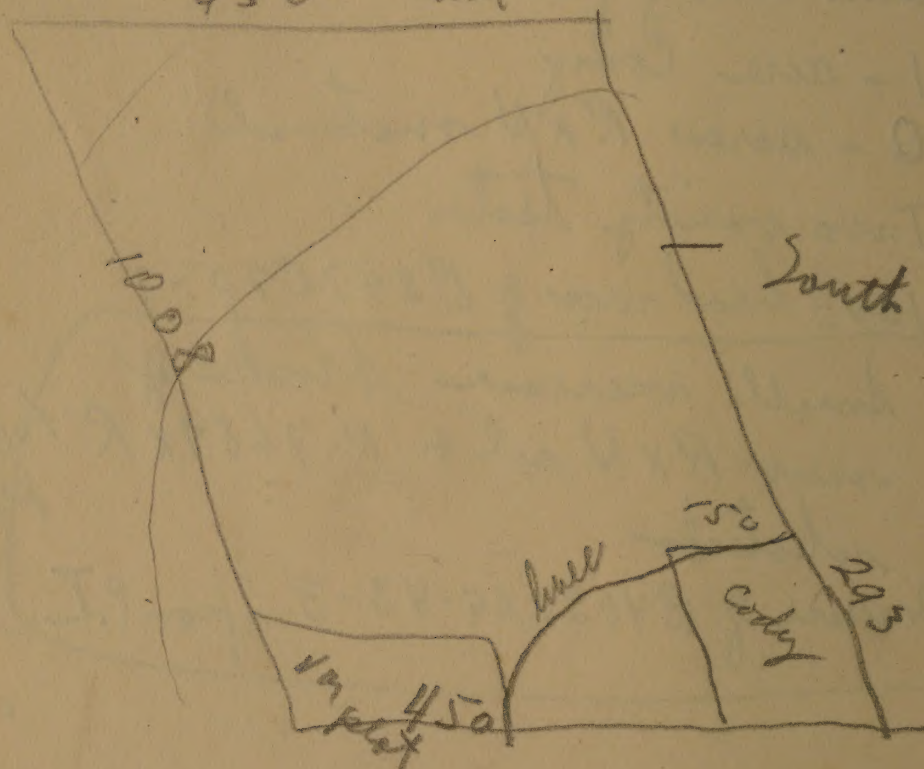
128th Day—237 days to come

Size of CWS Bluebonnet plot
156 ft by 493 feet with 413
feet along fence.

Head row block

150 x 200

Block for R x N plot
1008 x 450 feet
450 east



Total seed = 10 + 20 + 20 = 50 sy

Thursday, MAY 9

129th Day—236 days to come

Clear
Cloudy
Rain
Snow

Started sowing P.I. materials.
Wed morning, finished Friday evening

North
CWS strips (8)
Bluebonnet seed
Bluebonnet pure seed block
0 red
Cannon seed
Treated with arsenic
10 sy

10 sy P.S.

20 sy Cannon seed
treated with cuproide
0 red

20 sy Cannon

Station + P.I.
Bluebonnet seed
4-6 red grains per lb.
Treated with arsenic
Key Cat

10 P.I. seed
15 Station
25
5 1/2 return
19 1/2 sy

van Test

10 acres

6 sy R-N

Codrus

R x N
treated with arsenic

Total 55 1/2 sy

	Clear
	Cloudy
	Rain
	Snow

Friday, MAY 10

130th Day—235 days to come

Drill settings

20 - 20 for fertilizer

Seed $L = 25$ $R = 27$

Saturday, MAY 11

131st Day—234 days to come

	Clear
	Cloudy
	Rain
	Snow

Rained some, lines pushed in
am and plowed in p.m.

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Sunday, MAY 12

132nd Day—233 days to come

Monday, MAY 13

133rd Day—232 days to come

	Clear
	Cloudy
	Rain
	Snow

Heavy rains, P.I. field flooded
and remained flooded until 17th

Clear
Cloudy
Rain
Snow

Tuesday, MAY 14

134th Day—231 days to come

Pay Duplex for 247.69 acres
 of plowing at 2.00 per acre
 495.38

Trip to Houston & return
 Lv. Bunt 8:10 am
 an. Houston an 10:10 am

Lv. Houston 3:45 pm
 arr. Liberty 4:50 pm
 Lv. " 6:00 pm
 an. Bunt 7:20 pm

Wednesday, MAY 15

135th Day—230 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Thursday, MAY 16

136th Day—229 days to come

Friday, MAY 17

137th Day—228 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

	Clear
	Cloudy
	Rain
	Snow

Saturday, MAY 18

138th Day—227 days to come

Sunday, MAY 19

139th Day—226 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, MAY 20

140th Day—225 days to come

Tuesday, MAY 21

141st Day—224 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

	Clear
	Cloudy
	Rain
	Snow

Wednesday, MAY 22

142nd Day—223 days to come

Thursday, MAY 23

143rd Day—222 days to come

	Clear
	Cloudy
	Rain
	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Friday, MAY 24

144th Day—221 days to come

Saturday, MAY 25

145th Day—220 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

	Clear
	Cloudy
	Rain
	Snow

Sunday, MAY 26

146th Day—219 days to come

28
-6

Monday, MAY 27

147th Day—218 days to come

Clear
Cloudy
Rain
Snow

Field plots

	1945 no.			
B403844-38		1	55	61
T.P. x R-SBR	129	2	50	64
R x R Lf	119	3	53	63
Texas Patina	113	4	51	57
Bravo	112	5	49	59
R x 7689 ^{1st series}	116	6	54	60
Relief ^{f. plot}		7	52	58
B321B40-3, R x D	110	8	56	62
Calico	71	9	46	67
arkose	73	10	45	68
Kamrose	74	11	47	65
RK 41	78	12	44	66
Blue Rose	79	13	43	70
Smoothshell	83	14	48	69
Bluebonnet	39	15	37	76
Fortuna	41	16	39	71
Mira	45	17	40	75
IR x N	46	18	42	74
B4033A4-48-3	PI	19	38	72
C322A6-25	Cronk	20	41	73
genith	3	21	31	78
EP	1	22	35	77
Magnolia	7 plots	23	30	84
Prelude	6	24	29	79
Hill Long Grain	25	25	36	81
R x SBR ^{3rd series}	48	26	34	83
8323 x 2 (41A3-7)	36	27	33	80
C6-250	Crowley	28	32	82

Sown May 27 + 28. Used 210 # fert
on all plots including guards.

	Clear
	Cloudy
	Rain
	Snow

Thursday, MAY 30

150th Day—215 days to come

150th Day—215 days to come		
lence	96 feet	111 feet
mid long		17 ✓ 3 ✓ 17 ✓ 5 ✓ early 17 ✓ 3 ✓ 17 ✓ 10 ✓ 17 ✓ 17 ✓ 5 ✓ 17 ✓ late 3 ✓ 17 ✓ 10 ✓ 17 ✓ early 5 ✓ 12 ✓ mid long 3 ✓
late pupl	229 feet	
BR mat		
single latic		
single BR mat		
Tuller's natural	219 feet	
		15 ← 38 2 15 60 3 15 40 12 lence 15 20 2 12 15 300 3 15 180 2 15 60 3 15 40 2 15 3 15
2001-4000		

	Clear
	Cloudy
	Rain
	Snow

South acre
South end.

Buck-hybrids
3 row plots each

45-5332 12 new
45-5333 6 new
45-5334 non purple

Endruck
Lugano

557 ←

Relative
Survival.

Thellie, 4 column

Figs 1 to 87 →
Parents 101 to 187 → 10

Vasant

90+ rows 5401

67 feet

800 pms

10

15
15
3
15
2
15

67 ft

old road way (linee)

North

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Saturday, JUNE 1

152nd Day—213 days to come

Sunday, JUNE 2

153rd Day—212 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, JUNE 3

154th Day—211 days to come

Tuesday, JUNE 4

155th Day—210 days to come

	Clear
	Cloudy
	Rain
	Snow

Field plots 1st emerged June 4th
emerged by 8th

Breeding nursery rows.

2001-48
2201-48
2401-48
2601-48
2801-48
3001-48
3201-48
3401-48
3601-48
3801-48

sown May 29

1st emerged June 6
fully emerged " 11

	Clear
	Cloudy
	Rain
	Snow

Wednesday, JUNE 5

156th Day—209 days to come

Thursday, JUNE 6

157th Day—208 days to come

	Clear
	Cloudy
	Rain
	Snow

Trip to Bay City to look
over experiments sown on Harper
Canal. Set August 8 as date
of field day at Bay City

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Friday, JUNE 7

158th Day—207 days to come

[Faint, illegible handwriting visible through the paper]

Saturday, JUNE 8

159th Day—206 days to come

	Clear
	Cloudy
	Rain
	Snow

Fertilized 100 acre field at
P I set drill on 1/4, about
150[#] per A cyanamide.

Slightly less than 1/2 of field
fertilized ahead of rain which
partially flooded field, started
watering field on 10th

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Sunday, JUNE 9

160th Day—205 days to come

Monday, JUNE 10

161st Day—204 days to come

Clear
Cloudy
Rain
Snow

Started watering P.I. field
which had been partially flooded
over week-end by a heavy rain.

	Clear
	Cloudy
	Rain
	Snow

Tuesday, JUNE 11

162nd Day—203 days to come

Wednesday, JUNE 12

163rd Day—202 days to come

Clear
Cloudy
Rain
Snow

Faint handwritten notes, possibly describing weather or observations.

Clear
Cloudy
Rain
Snow

Thursday, JUNE 13

164th Day—201 days to come

Sowed 4000 maternal through
and of breeding nursery

Friday, JUNE 14

165th Day—200 days to come

	Clear
	Cloudy
	Rain
	Snow

Seeded 2000 material through
3999 not sown May 29th

Completed watering P.I.
Bluebonnet field

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Saturday, JUNE 15

166th Day—199 days to come

Seeded yield nursery.

*29 percent detached
leaf removed*

Sunday, JUNE 16

167th Day—198 days to come

Clear
Cloudy
Rain
Snow

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

	Clear
	Cloudy
	Rain
	Snow

Monday, JUNE 17

168th Day—197 days to come

Completed seeding all
nursery material

Seeded Tullis material on south
acre; F₁'s; Relative survival;

Bulk hybrids; (5332, 33434 nonpr)
Fest at same rate as field m

Only nursery material fertilized was
field nursery and with amm. sulphate
at rate of.

Had 300 pounds and used.

Tuesday, JUNE 18

169th Day—196 days to come

Clear
Cloudy
Rain
Snow

Trim field plots to
84.4 feet.

Field plots were hoed June
18-20.

	Clear
	Cloudy
	Rain
	Snow

Wednesday, JUNE 19

170th Day—195 days to come

Thursday, JUNE 20

171st Day—194 days to come

	Clear
	Cloudy
	Rain
	Snow

Flooded field plots June
20 + 21

To be drained Wed July 3th

Maternal sown on 13 + 14 1st emerged
" " " 15 1st emerged
on June 22.

Fully emerged June 27th
was flushed June 20th (nursery Aug)

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Friday, JUNE 21

172nd Day—193 days to come

Saturday, JUNE 22

173rd Day—192 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

	Clear
	Cloudy
	Rain
	Snow

Sunday, JUNE 23

174th Day—191 days to come

Monday, JUNE 24

175th Day—190 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Tuesday, JUNE 25

176th Day—189 days to come

Wednesday, JUNE 26

177th Day—188 days to come

	Clear
	Cloudy
	Rain
	Snow

Amber

of a cherry

at a tree

garden tree

flower perfect

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Thursday, JUNE 27

178th Day—187 days to come

Friday, JUNE 28

179th Day—186 days to come

	Clear
	Cloudy
	Rain
	Snow

Amrhein

1/9 balance

#2 rice

garden tractor

flour for ferts.

	Clear
	Cloudy
	Rain
	Snow

Saturday, JUNE 29

180th Day—135 days to come

Sunday, JUNE 30

181st Day—184 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, JULY 1

182nd Day—183 days to come

Tuesday, JULY 2

183rd Day—182 days to come

	Clear
	Cloudy
	Rain
	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Wednesday, JULY 3

184th Day—181 days to come

Thursday, JULY 4

185th Day—180 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Friday, JULY 5

186th Day—179 days to come

Saturday, JULY 6

187th Day—178 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Sunday, JULY 7

188th Day—177 days to come

Monday, JULY 8

189th Day—176 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

	Clear
	Cloudy
	Rain
	Snow

Tuesday, JULY 9

190th Day—175 days to come

Wednesday, JULY 10

191st Day—174 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Thursday, JULY 11

192nd Day—173 days to come

Friday, JULY 12

193rd Day—172 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

	Clear
	Cloudy
	Rain
	Snow

Saturday, JULY 13

194th Day—171 days to come

Sunday, JULY 14

195th Day—170 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Monday, JULY 15

196th Day—169 days to come

Tuesday, JULY 16

197th Day—168 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Wednesday, JULY 17

198th Day—167 days to come

Thursday, JULY 18

199th Day—166 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Friday, JULY 19

200th Day—165 days to come

Saturday, JULY 20

201st Day—164 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

	Clear
	Cloudy
	Rain
	Snow

Sunday, JULY 21

202nd Day—163 days to come

Monday, JULY 22

203rd Day—162 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Tuesday, JULY 23

204th Day—161 days to come

Wednesday, JULY 24

205th Day—160 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Thursday, JULY 25

206th Day—159 days to come

Friday, JULY 26

207th Day—158 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

	Clear
	Cloudy
	Rain
	Snow

Saturday, JULY 27

208th Day—157 days to come

Sunday, JULY 28

209th Day—156 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, JULY 29

210th Day—155 days to come

Tuesday, JULY 30

211th Day—154 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

	Clear
	Cloudy
	Rain
	Snow

Wednesday, JULY 31

212th Day—153 days to come

Thursday, AUGUST 1

213th Day—152 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Friday, AUGUST 2

214th Day—151 days to come

Saturday, AUGUST 3

215th Day—150 days to come

	Clear
	Cloudy
	Rain
	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Sunday, AUGUST 4

216th Day—149 days to come

Monday, AUGUST 5

217th Day—148 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Tuesday, AUGUST 6

218th Day—147 days to come

Wednesday, AUGUST 7

219th Day—146 days to come

	Clear
	Cloudy
	Rain
	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Thursday, AUGUST 8

220th Day—145 days to come

Friday, AUGUST 9

221st Day—144 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Saturday, AUGUST 10

222nd Day—143 days to come

Sunday, AUGUST 11

223rd Day—142 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, AUGUST 12

224th Day—141 days to come

Tuesday, AUGUST 13

225th Day—140 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

	Clear
	Cloudy
	Rain
	Snow

Wednesday, AUGUST 14

226th Day—139 days to come

Thursday, AUGUST 15

227th Day—138 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Friday, AUGUST 16

228th Day—137 days to come

Saturday, AUGUST 17

229th Day—136 days to come

	Clear
	Cloudy
	Rain
	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Sunday, AUGUST 18

230th Day—135 days to come

Monday, AUGUST 19

231st Day—134 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

	Clear
	Cloudy
	Rain
	Snow

Tuesday, AUGUST 20

232nd Day—133 days to come

Wednesday, AUGUST 21

233rd Day—132 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

	Clear
	Cloudy
	Rain
	Snow

Thursday, AUGUST 22

234th Day—131 days to come

Friday, AUGUST 23

235th Day—130 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Saturday, AUGUST 24

236th Day—129 days to come

Sunday, AUGUST 25

237th Day—128 days to come

	Clear
	Cloudy
	Rain
	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Monday, AUGUST 26

238th Day—127 days to come

Tuesday, AUGUST 27

239th Day—126 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Wednesday, AUGUST 28

240th Day—125 days to come

Thursday, AUGUST 29

241st Day—124 days to come

	Clear
	Cloudy
	Rain
	Snow

Melons, Black-necked Crops

from sale

To Cash for Melons 176 345

for Crops 165 325

341 670

dry rot

Black Necked 163 310

and Crops 163 310

for Crops

from sale 7 529 70

for Crops 3 750 70

	Clear
	Cloudy
	Rain
	Snow

Friday, AUGUST 30

242nd Day—123 days to come

Saturday, AUGUST 31

243rd Day—122 days to come

	Clear
	Cloudy
	Rain
	Snow

Melanson Bluebonnet Crop

green weights

To Bmt Rice Mill 176,245

Am. Rice Gr. 162,330

338,575

dry wt

Bmt Rice Mill 162,750

am Rice Gr. 153,970

% shrinkage

Bmt Rice Mill 7.657%

Am Rice Gr. 5.150%

	Clear
	Cloudy
	Rain
	Snow

Sunday, SEPTEMBER 1

244th Day—121 days to come

Monday, SEPTEMBER 2

245th Day—120 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

	Clear
	Cloudy
	Rain
	Snow

Tuesday, SEPTEMBER 3

246th Day—119 days to come

Wednesday, SEPTEMBER 4

247th Day—118 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

	Clear
	Cloudy
	Rain
	Snow

Thursday, SEPTEMBER 5

248th Day—117 days to come

Friday, SEPTEMBER 6

249th Day—116 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Saturday, SEPTEMBER 7

250th Day—115 days to come

Sunday, SEPTEMBER 8

251st Day—114 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, SEPTEMBER 9

252nd Day—113 days to come

Tuesday, SEPTEMBER 10

253rd Day—112 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Wednesday, SEPTEMBER 11

254th Day—111 days to come

Thursday, SEPTEMBER 12

255th Day—110 days to come

	Clear
	Cloudy
	Rain
	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Friday, SEPTEMBER 13

256th Day—109 days to come

Saturday, SEPTEMBER 14

257th Day—108 days to come

	Clear
	Cloudy
	Rain
	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Sunday, SEPTEMBER 15

258th Day—107 days to come

Monday, SEPTEMBER 16

259th Day—106 days to come

	Clear
	Cloudy
	Rain
	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Tuesday, SEPTEMBER 17

260th Day—105 days to come

Wednesday, SEPTEMBER 18

261st Day—104 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

	Clear
	Cloudy
	Rain
	Snow

Thursday, SEPTEMBER 19

262nd Day—103 days to come

Friday, SEPTEMBER 20

263rd Day—102 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

	Clear
	Cloudy
	Rain
	Snow

Saturday, SEPTEMBER 21

264th Day—101 days to come

Sunday, SEPTEMBER 22

265th Day—100 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, SEPTEMBER 23

266th Day—99 days to come

Tuesday, SEPTEMBER 24

267th Day—98 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

*Started combing the house at
8 AM.
and finished at 2 PM.*

	Clear
	Cloudy
	Rain
	Snow

Wednesday, SEPTEMBER 25

268th Day—97 days to come

Thursday, SEPTEMBER 26

269th Day—96 days to come

	Clear
	Cloudy
	Rain
	Snow

Started combining Bluebonnet
in P.M.
cut and sacked 128 sf

	Clear
	Cloudy
	Rain
	Snow

Friday, SEPTEMBER 27

270th Day—95 days to come

Started drier at 9 am.

& operated until 6 pm with at least 1 hr shut-down.

operated 4 hrs on Saturday

green moisture 21.8 to 23.5

after 8 hrs 18.20

after 11 hrs 13.8 %.

Saturday, SEPTEMBER 28

271st Day—94 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Sunday, SEPTEMBER 29

272nd Day—93 days to come

31
30
—

60

140

600
840



Monday, SEPTEMBER 30

273rd Day—92 days to come

Clear
Cloudy
Rain
Snow

Started combining Ripley
T Patua

1st lot green moist 21 90
2nd pm 18.3 90

2nd lot (marked (2)) dried 6 hrs.
showed 16. to 16.5 90 moisture

#4 dry wt = 13.4%

#5 after 4 hrs = 13.8%

net weight in PM of act 1 =

Clear
Cloudy
Rain
Snow

Tuesday, OCTOBER 1

274th Day—91 days to come

T Patua

2000 m

- #2 — 18 90 (2.75) 16 7 1/2 — 158 1/2 (12.8)
- #3 — 18 90 (8) 175 3/4 — 167. 3/4 (14)
- #4 — 15.4 (6.75) 163 1/2 — 156 1/2 (11)
- #5 — 15.2 (5.5) 175 — 169 1/2 (12)

- 2A — 15.8 (5.5) 177 1/4 — 171. 3/4 (13.1)
- 2B — 17.2 (5 1/4) 180 — 174. 3/4 (14.7)
- 2C — 16.0 (3) 166 1/2 — 163 1/2 (14)

Bluebonnet

- 3 A — 17.2 5 3/4 175. 3/4 — 170 (14.4)
- 3 B — 17.6 6 1/2 176 — 169 1/2 (14.4)
- 3 C — 15.6 4 164 — 160' (13.5)

Wednesday, OCTOBER 2

275th Day—90 days to come

	Clear
	Cloudy
	Rain
	Snow

4A = 16.2 (6) 154 - 148 (12.8)
4C = 17.6 (5) 171 - 166 (15.1)

5A = 17.2 8 166 - 158 (13.0)
5B = 15.8 6 158 - 152 (12.5)
5C = 15.2 $4\frac{3}{4}$ 161 $\frac{3}{4}$ - 157 (12.6)

6A = 16.8 $7\frac{1}{4}$ 162 $\frac{1}{2}$ - 155 $\frac{1}{2}$ (12.9)
6B 15.4 5 166 - 161 (12.8)
6C = 16.4 $4\frac{1}{4}$ 170 $\frac{1}{2}$ - 166 $\frac{1}{4}$ 14.9

221 2x AA seed

7A = 15.8 -

7B = 17.6

7C = 17.8

	Clear
	Cloudy
	Rain
	Snow

Thursday, OCTOBER 3

276th Day—89 days to come

128

60

45

60

60

60

60

33

60

49

95

690

231

920

3

1200

Friday, OCTOBER 4

277th Day—88 days to come

	Clear
	Cloudy
	Rain
	Snow

$$8A = 15.4$$

$$8B = 15.8$$

$$8C = 16.4$$

R x N harvested afternoon of the 6th
moisture content = 15.6

Clear
Cloudy
Rain
Snow

Saturday, OCTOBER 5

278th Day—87 days to come

Inventory of Seed Rice

Before cleaning

Bluebonnet	Sacks	Bbls.
Lot CC	342 ex	340.160
Lot BB	583 ex	
Lot AA	22 1/2 ex	
Mixed	7 ex	
Foundation	10 1/2 ex	
		1164

Texas Patna	Sacks	Bbls.
Rice Impasson	545	}
Bought from Melanson	245	
Returned by Melanson	300	
Sale honest T Patna		
Total	—	1090

Rexon x Ma	
RN	125 1/2
RJ (some mixture)	13
Total	138 1/2

Sunday, OCTOBER 6

279th Day—86 days to come

	Clear
	Cloudy
	Rain
	Snow

Total rice 2392.5

Rice Imp 1847.5

Purchase from 245.
melanson 2092.5 etc.

Melanson 300.

Total 2392.5

99 2:55

38763

32739

240.2 24617

51325

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Monday, OCTOBER 7

280th Day—85 days to come

Tuesday, OCTOBER 8

281st Day—84 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Wednesday, OCTOBER 9

282nd Day—83 days to come

Thursday, OCTOBER 10

283rd Day—82 days to come

	Clear
	Cloudy
	Rain
	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Friday, OCTOBER 11

284th Day—81 days to come

Saturday, OCTOBER 12

285th Day—80 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

	Clear
	Cloudy
	Rain
	Snow

Sunday, OCTOBER 13

286th Day—79 days to come

Monday, OCTOBER 14

287th Day—78 days to come

	Clear
	Cloudy
	Rain
	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Tuesday, OCTOBER 15

288th Day—77 days to come

Wednesday, OCTOBER 16

289th Day—76 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

	Clear
	Cloudy
	Rain
	Snow

Thursday, OCTOBER 17

290th Day—75 days to come

Friday, OCTOBER 18

291st Day—74 days to come

	Clear
	Cloudy
	Rain
	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Saturday, OCTOBER 19

292nd Day—73 days to come

Sunday, OCTOBER 20

293rd Day—72 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, OCTOBER 21

294th Day—71 days to come

Tuesday, OCTOBER 22

295th Day—70 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Wednesday, OCTOBER 23

296th Day—69 days to come

Thursday, OCTOBER 24

297th Day—68 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Friday, OCTOBER 25

298th Day—67 days to come

Saturday, OCTOBER 26

299th Day—66 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Sunday, OCTOBER 27

300th Day—65 days to come

Monday, OCTOBER 28

301st Day—64 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Tuesday, OCTOBER 29

302nd Day—63 days to come

Wednesday, OCTOBER 30

303rd Day—62 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

	Clear
	Cloudy
	Rain
	Snow

Thursday, OCTOBER 31

304th Day—61 days to come

Friday, NOVEMBER 1

305th Day—60 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Saturday, NOVEMBER 2

306th Day—59 days to come

Sunday, NOVEMBER 3

307th Day—53 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, NOVEMBER 4

308th Day—57 days to come

Tuesday, NOVEMBER 5

309th Day—56 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Wednesday, NOVEMBER 6

310th Day—55 days to come

Thursday, NOVEMBER 7

311th Day—54 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Friday, NOVEMBER 8

312th Day—53 days to come

Saturday, NOVEMBER 9

313th Day—52 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Sunday, NOVEMBER 10

314th Day—51 days to come

Monday, NOVEMBER 11

315th Day—50 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Tuesday, NOVEMBER 12

316th Day—49 days to come

Wednesday, NOVEMBER 13

317th Day—48 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Thursday, NOVEMBER 14

318th Day—47 days to come

Friday, NOVEMBER 15

319th Day—46 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Saturday, NOVEMBER 16

320th Day—45 days to come

Sunday, NOVEMBER 17

321st Day—44 days to come

	Clear
	Cloudy
	Rain
	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Monday, NOVEMBER 18

322nd Day—43 days to come

Tuesday, NOVEMBER 19

323rd Day—42 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

	Clear
	Cloudy
	Rain
	Snow

Wednesday, NOVEMBER 20

324th Day—41 days to come

Thursday, NOVEMBER 21

325th Day—40 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Friday, NOVEMBER 22

326th Day—39 days to come

Saturday, NOVEMBER 23

327th Day—38 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Sunday, NOVEMBER 24

328th Day—37 days to come

Monday, NOVEMBER 25

329th Day—36 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Tuesday, NOVEMBER 26

330th Day—35 days to come

Wednesday, NOVEMBER 27

331st Day—34 days to come

	Clear
	Cloudy
	Rain
	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Thursday, NOVEMBER 28

332nd Day—33 days to come

Friday, NOVEMBER 29

333rd Day—32 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Saturday, NOVEMBER 30

334th Day—31 days to come

✓ Hill

✓ P

✓ Zenth

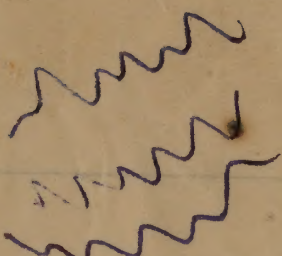
✓ 3

Magnolia

Prelude

B41-3299

comp



comp

comp

3rd

B347B40-9(58)

Bluebonnet

Fortuna

Nira

B4033A(72)

late comp

late comp

Arkrose

BR-41

8326

Caloro

Smoothhull

90

Blue Rose

Kamrose

late comp

184 grand

B321B40-3

169(3313A1-20)

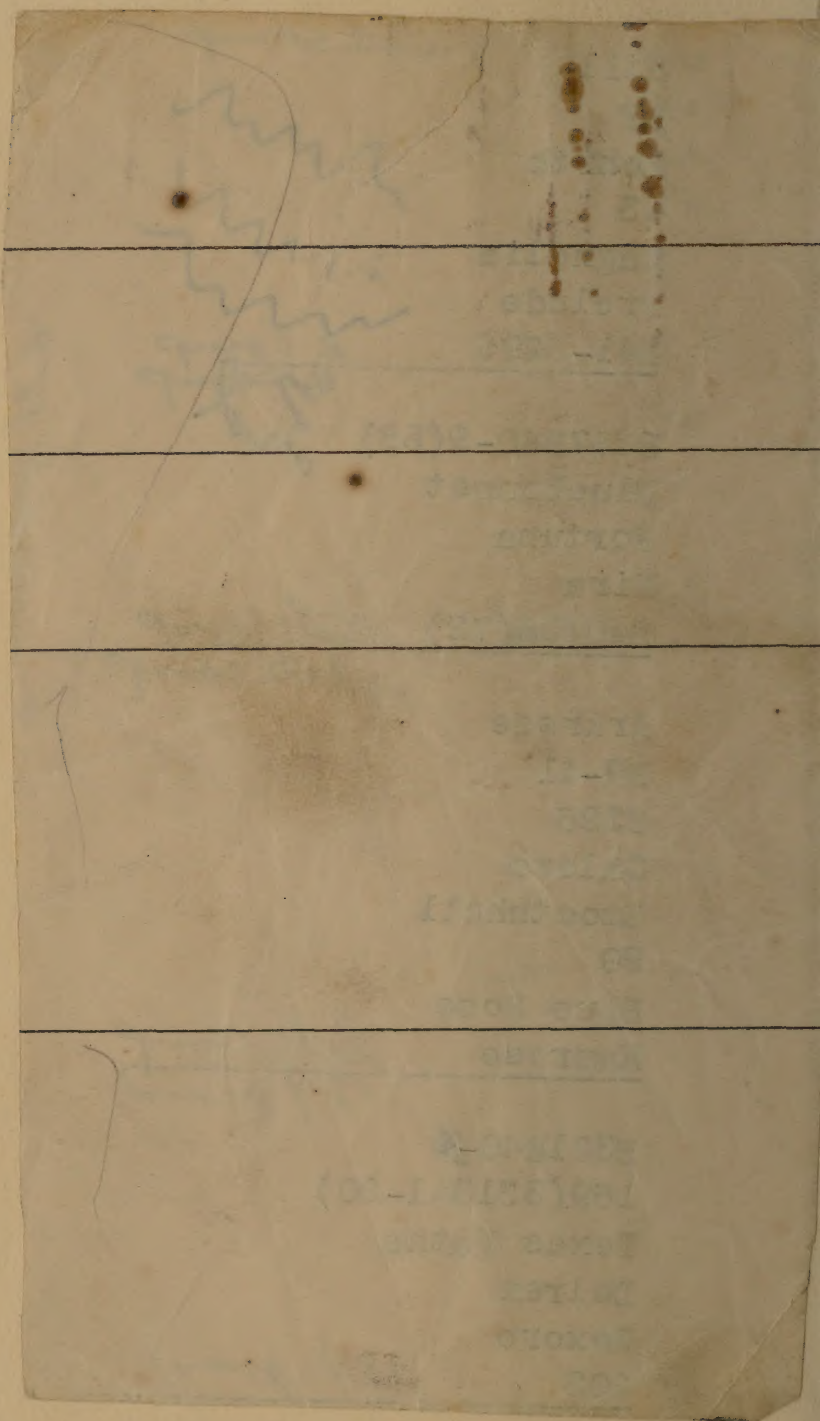
Texas Patna

Delrex

Rexoro

202

184 grand



Let

- X EP X
- X Zenith 1
- X Prelude 2
- X B41-3299 1
- X Hill-Nada *open*
- X Magnolia 1
- X 43 *smith* X 8323
- X Fortuna 1
- X Bluebonnet $\frac{1}{2}$ X
- X Nira 1
- X B347B40-9(58) $\frac{1}{2}$ Rexoro X Nira
- X B4033A (72) $\frac{1}{2}$
- X 90 B43-20 $\frac{1}{2}$ 89
- X Kamrose $\frac{1}{2}$
- X Arkrose 1
- X BlueRose 1
- X BR-41 $\frac{1}{2}$
- X Smoothhull $\frac{1}{2}$
- X 8326 1
- X Caloro X $\frac{1}{2}$
- X Rexoro X $\frac{1}{2}$
- X 169(3313A1-20) $\frac{1}{2}$ Rexoro X 768
- X 202 $\frac{1}{2}$
- X Texas Patna X $\frac{1}{2}$
- X Delrex $\frac{1}{2}$
- X B321B40-3 $\frac{1}{2}$

Balance

And

32.00
26.00
18.00
48.00

32.00
22.00
18.00
44.00

Enclosed herewith are the duplicate receipts listed above an
\$_____ in full to cover the above total.

✓ Delrex .8
 ✓ Rexoro .1
 ✓ B321B40-3 .65
 ✓ 202 - K. no. 7 - Purple Leaf
 ✓ 169 (3313A1-20) 1.2
 ✓ Texas Patna .75

2nd

✓ Blue Rpse-41 - .2
 ✓ Caloro .5
 ✓ 90 .8
 ✓ Arkrose .5
 ✓ 8326 .5
 ✓ Kamrose .65
 ✓ Smoothhull .75
 ✓ Blue Rose .5

✓ 347B40-9(58) .5
 ✓ Fortuna .75
 ✓ Bluebonnet 1.0
 ✓ B4033A(72) 1.1
 Nira .75

✓ Hill .8
 ✓ Zenith 1.0
 ✓ 43 .2
 ✓ EP .9
 Prelude 1.0
 Magnolia 1.45
 B41-3299 1.5

4 # seed
 except 202, 1
 184 = 148 (3 # each)

AGRICULTURAL EXPERIMENT STATION

Agricultural and Mechanical College of Texas.

from _____, Texas, _____, 193_____

to _____

Sales as Follows:

M	Article	Quantity	Unit Rate	Amount Received
on 4th inst one 3rd inst	3rd " AS-Brominated mark			
	2nd " AS			
	1st inst AS			

Renew Variety Test

			376A2-72-4	✓
3- Smith	✓	B4033A4-43-3		✓
62- Prelude	✓	B4031A1-24		✓
48 S41-10609	✓	B4033A4-47-		✓
5- Magnolia	✓	2 increase ark-R-SKP		
12-	✓	Full Long Grain		
13-	✓			
14-	✓	Duplicate plots 60 ft long		
25- Full Long gr	✓	1 1/2 # seed sufficient		
54- B4031A1-3-3		bed to take 2 lbs.		

10 ~~1000~~ mid heavy

1058

mid heavy

90/ mid heavy 37

938 →

late

late

late

early 37

12

mid heavy

$\frac{37}{3}$

$\frac{102}{96}$

$\frac{111}{96}$

put.

$\frac{111}{96}$

$\frac{50}{45}$

400/500 (33)

AGRICULTURAL

Sunday, DECEMBER 1

335th Day—30 days to come

	Clear
	Cloudy
	Rain
	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Monday, DECEMBER 2

336th Day—29 days to come

Tuesday, DECEMBER 3

337th Day—28 days to come

	Clear
	Cloudy
	Rain
	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Wednesday, DECEMBER 4

338th Day—27 days to come

Thursday, DECEMBER 5

339th Day—26 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

	Clear
	Cloudy
	Rain
	Snow

Friday, DECEMBER 6

340th Day—25 days to come

Saturday, DECEMBER 7

341st Day—24 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Sunday, DECEMBER 8

342nd Day—23 days to come

Monday, DECEMBER 9

343rd Day—22 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

	Clear
	Cloudy
	Rain
	Snow

Tuesday, DECEMBER 10

344th Day—21 days to come

Wednesday, DECEMBER 11

345th Day—20 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

	Clear
	Cloudy
	Rain
	Snow

Thursday, DECEMBER 12

346th Day—19 days to come

Friday, DECEMBER 13

347th Day—18 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

	Clear
	Cloudy
	Rain
	Snow

Saturday, DECEMBER 14

348th Day—17 days to come

Sunday, DECEMBER 15

349th Day—16 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, DECEMBER 16

350th Day—15 days to come

Tuesday, DECEMBER 17

351st Day—14 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Wednesday, DECEMBER 18

352nd Day—13 days to come

Thursday, DECEMBER 19

353rd Day—12 days to come

	Clear
	Cloudy
	Rain
	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Friday, DECEMBER 20

354th Day—11 days to come

Saturday, DECEMBER 21

355th Day—10 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Sunday, DECEMBER 22

356th Day—9 days to come

Monday, DECEMBER 23

357th Day—8 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Tuesday, DECEMBER 24

358th Day—7 days to come

Wednesday, DECEMBER 25

359th Day—6 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Thursday, DECEMBER 26

360th Day—5 days to come

Friday, DECEMBER 27

361st Day—4 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

	Clear
	Cloudy
	Rain
	Snow

Saturday, DECEMBER 28

362nd Day—3 days to come

Sunday, DECEMBER 29

363rd Day—2 days to come

	Clear
	Cloudy
	Rain
	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Monday, DECEMBER 30

364th Day—1 day to come

Tuesday, DECEMBER 31

365th Day—last day of year.

	Clear
	Cloudy
	Rain
	Snow

Special Data

Volume of bin 14 ft in dia x 40 feet high
6310 cu. ft. or 1411 bbls.

1 bin = 2150 cu. inches
1 bbl = 7740 cu. inches
1728 cu inches = 1 cubic foot
4.47 cu ft per bbl.

5000 bbl bin = 40' high x 26' dia.
600 bbl bin =

Special Data

Crowley Station financial data

1 Federal \$7,000.⁰⁰

2 State (man) \$13,452.99

3 (various) 3,606.⁰⁰

Total to Station \$24,058.99

Acquire improvements
project 10,000.⁰⁰

\$24,058.99

Special Data

Sund Jordan

15[#] T.P. sel A. ✓

(193) Hul Long-grain sel. ✓

(5.6) SXR

(197) ✓

~~(62)~~

~~(202)~~ (61) ✓

6

B44-2399

B4112A5-5-1

24.2

#289 n 242

(270)

Cash Account, January

Date		Received	Paid
	Send adan' 16-18 pounds Hill Lang Grain 16-18 " Bluebonnet. 16-18 - RAN 15 Early Prolific		
250 gms -	Ruxoro 250 - Hill Lang-grain sel. (192) + et al SXR (56) (197) ✓ (62) (202) 6/ B44-2399 ✓ B4112A 5-5-1 ✓ (242) ✓ (239-n 242) ✓ Total . .		

On hand January 1 \$ _____

Net Receipts for month . . \$ _____

Net Balance - January 31 . \$ _____

Cash Account, February

[illegible]

Net Balance - January 31 . \$ 4,400.00

Net Receipts for month . . \$

Net Balance - February 28 . \$.....

Cash Account, March

[illegible]

Net Balance - February 28 . \$.....

Net Receipts for month . . \$..

Net Balance - March 31 . . \$

Cash Account, April

[illegible]

Net Balance - March 31 . . \$

Net Receipts for month . . \$.....

Net Balance - April 30 . . \$

Cash Account, May

[illegible]

Net Balance - April 30 . . \$.....

Net Receipts for month . . \$..

Net Balance - May 31 . . \$

Cash. Account, June

[illegible]

Net Balance - May 31 . . \$

Net Receipts for month . . \$..

Net Balance - June 30 . . \$ 1,185.00

Cash Account, July

[illegible]

Net Balance - June 30 . . \$

Net Receipts for month . . \$ 2,000.00

Net Balance - July 31 . . \$

Cash Account, August

[illegible]

Net Balance - July 31 . . \$..

Net Receipts for month . . \$.....

Net Balance - August 31 . \$.....

Cash Account, September

[illegible]

Net Balance - August 31 . \$ 1,000.00

Net Receipts for month . . \$..

Net Balance - September 30 . \$ 1,000.00

Cash Account, October

Net Balance-September 30 . \$

Net Receipts for month . . \$

Net Balance - October 31 . \$ 1,000.00

Cash Account, November

Date	Received	Paid
January		
February		
March		
April		
May		
June		
July		
August		
September		
October		
November		
December		
Total		

Net Balance - October 31 . \$

Net Receipts for month . . \$

Net Balance - November 30 \$

Cash Account, December

Date		Received		Paid	
	Total . . .				

Net Balance - November 30 \$_____

Net Receipts for month . . \$_____

Net Balance - December 31 \$_____

Summary of Cash Account

	Received		Paid	
On hand January 1 . . .				
January				
February				
March				
April				
May				
June				
July				
August				
September				
October				
November				
December				
Total . .				

Balance as of December 31, \$_____

Insurance

Expiration

[illegible]

DIRECTORY

[illegible]

DIRECTORY

[illegible]

DIRECTORY

[illegible]

DIRECTORY

[illegible]

Postal Information

Domestic Postage

Domestic rates of postage apply to all parts of the United States, which includes Hawaii and Alaska, and all its possessions; also to mail for officers and crew of the vessels of war of the United States, and to other places where the United States mail services may be in operation.

Military Mail—Consult postmaster regarding rates on and conditions applicable to all mail matter addressed to members of the armed forces.

First Class Matter. Letters and written matter, also other matter if sealed against postal inspection, 3c per ounce or fraction thereof, except post and postal cards and Drop Letters for non-carrier offices, provided addressees are not served by rural or star route carriers, which under existing law remain at 1c for each ounce or fraction thereof.

Air Mail, from one post office to another on the mainland of the United States, including Alaska, and from one post office to another in Hawaiian Islands, from one post office to another in Puerto Rico, from one post office to another in Virgin Islands of the United States, and between the latter islands and Puerto Rico (but not between the mainland of United States and any of these islands), 8 cents per ounce or fraction thereof.

Note.—The rate of 6c for each $\frac{1}{2}$ ounce or fraction thereof will continue to apply to air mail sent to or by the armed forces of the United States overseas, served through the army and navy post offices.

Mail for dispatch via airplane service will be accepted for Registration. Insurance, or C.O.D. by adding the additional fees for the particular service desired. See regulations governing the acceptance of air mail for matter other than letters in their usual form.

Second Class Matter. (Unsealed) Newspapers and periodicals, which are "Entered as Second Class Matter." See post office for publishers rates. When mailed by public, 1c for each 2 ounces or fraction thereof, or the fourth class rate, whichever is lower.

Third Class Matter. (Limit 8 ounces.) Circulars and miscellaneous printed matter, also merchandise, $1\frac{1}{2}$ cents for each 2 ounces.

Fourth Class (Parcel Post) Mail. Merchandise, farm products, books, printed matter, and all other mailable matter, weighing more than 8 ounces, not included in the first, second and third classes.

Books weighing over 8 ounces take special rates. Consult your local postmaster.

The postage on all mail matter of the 4th class is increased by 3 per centum, fractions of $\frac{1}{2}$ c or more being computed as 1c, but in no case shall the increase per parcel be less than 1c.

In the following table the rates shown are under the old schedule. Add 3 per centum to these rates, but not less than 1c on any parcel.

Zones	Old Rate	Add lbs. Old Rate
Local	.07	1.0*
First and Second		
(Up to 150 miles).....	.08	1.1
Third (150 to 300 miles).....	.09	2.0
Fourth (300 to 600 miles).....	.10	3.5
Fifth (600 to 1000 miles).....	.11	5.3
Sixth (1000 to 1400 miles).....	.12	7.0
Seventh (1400 to 1800 miles)....	.14	9.0
Eighth (Over 1800 miles).....	.15	11.0

* Additional 2 lbs.

Size and Weight. A Parcel Post package may not exceed 100 inches in length and girth combined. The limit of weight is 70 lbs., all zones. Parcels weighing less than 10 pounds but measuring over 84 inches but not more than 100 inches in length and girth combined, are subject to a minimum charge equal to the 10 pound rate.

Special Handling (4th Class). Parcels to be given special handling will be chargeable with the regular fourth class rates and 10 cents additional postage on each parcel weighing not more than 2 pounds, 15 cents on each parcel of more than 2

but not more than 10 pounds, and 20 cents on each parcel weighing more than 10 pounds. Mark "Special Handling" on package.

Special Delivery. First class: Up to 2 pounds 13c., over 2 pounds up to 10 pounds 20c. and over 10 pounds 25c.

Second, third or fourth class: Up to 2 pounds 17c., over 2 pounds up to 10 pounds 23c. and over 10 pounds 35c.

Insured Mail. Fees for insurance of domestic mail matter of the third and fourth classes:

Amt. of Ins.	Ins. fees (cents)	Amt. of Ins.	Ins. fees (cents)
\$0.01 to \$5.00.....	3	\$25.01 to \$50.00....	15
\$5.01 to \$25.00.....	10	\$50.01 to \$200.00....	25

Collect-on-Delivery Mail. (Unregistered) C.O.D. fees on domestic collect-on-delivery mail of the third and fourth classes:

Amt. of C.O.D. charges or ins. desired	C.O.D. fee (cents)
\$0.01 to \$2.50.....	15
\$2.51 to \$5.00.....	20
\$5.01 to \$25.00.....	30
\$25.01 to \$50.00.....	40
\$50.01 to \$100.00.....	50
\$100.01 to \$150.00.....	55
\$150.01 to \$200.00.....	60

Fee for service in effecting delivery of collect-on-delivery mail upon terms differing from those originally stipulated at the time of mailing....10 cents.

Charge for demurrage on domestic collect-on-delivery mail....5 cents per day.

Fee for notifying the sender or his representative of inability to deliver a collect-on-delivery article.....5 cents.

Senders' return receipts for domestic registered and insured mail when requested at the time of mailing.....4 cents.

When requested subsequent to the time of mailing.....7 cents.

When requested showing to whom, when, and the address where the article was delivered....31 cents.

Fee for effecting delivery of domestic registered, insured or C.O.D. mail, the delivery of which is restricted to the addressee only, or to the addressee or order.....20 cents.

Money Order Fees. The new fees for issuing money orders are as follows:

cents		cents	
\$0.01 to \$2.50.....	6	\$20.01 to \$40.....	15
\$2.51 to \$5.....	8	\$40.01 to \$60.....	18
\$5.01 to \$10.....	11	\$60.01 to \$80.....	20
\$10.01 to \$20.....	13	\$80.01 to \$100.....	22

Registered mail. Fees and limits of indemnity for domestic registered mail, and surcharges based upon actual value and length of haul:

For registry Indemnity not exceeding	Registry fee	For registry Indemnity not exceeding	Registry fee
\$5.00.....	\$0.20	\$500.00.....	\$0.95
\$50.00.....	\$0.25	\$600.00.....	\$1.05
\$75.00.....	\$0.35	\$700.00.....	\$1.15
\$100.00.....	\$0.40	\$800.00.....	\$1.20
\$200.00.....	\$0.55	\$900.00.....	\$1.25
\$300.00.....	\$0.65	\$1000.00.....	\$1.35
\$400.00.....	\$0.80		

When the declared value exceeds the maximum indemnity covered by the registry fee paid, surcharge is made as follows:

All Zones: excess de- clared value	Surcharge (cents)	All Zones: excess de- clared value	Surcharge (cents)
up to \$ 50.00.....	2	up to 600.00.....	7
up to 100.00.....	3	up to 800.00.....	8
up to 200.00.....	4	up to 999.99.....	10
up to 400.00.....	6		

Note.—If the excess of the declared value over the maximum indemnity covered by the registry fee paid is \$1000 or more, the surcharges for each \$1000 or part of \$1000 of such excess are as follows:

cents	
For local delivery or within first zone.....	11
For delivery within second zone.....	12
For delivery within third zone.....	14
For delivery within fourth zone.....	15
For delivery within fifth or sixth zones.....	16
For delivery within seventh, eighth zones.....	18

Parcel Post Zone Rates

WEIGHT IN POUNDS	Local rate	1st-2d zone rate	3d zone rate	4th zone rate	5th zone rate	6th zone rate	7th zone rate	8th zone rate
1.....	\$0.08	\$0.09	\$0.10	\$0.11	\$0.12	\$0.13	\$0.15	\$0.16
2.....	.09	.11	.12	.15	.18	.20	.24	.27
3.....	.09	.12	.14	.18	.23	.27	.33	.38
4.....	.10	.13	.16	.22	.28	.34	.42	.49
5.....	.10	.14	.18	.25	.34	.41	.52	.61
6.....	.11	.15	.20	.29	.39	.48	.61	.72
7.....	.11	.16	.22	.32	.44	.56	.70	.83
8.....	.12	.17	.24	.36	.50	.63	.79	.95
9.....	.12	.18	.26	.39	.56	.70	.89	1.06
10.....	.13	.19	.28	.43	.61	.77	.98	1.17
11.....	.13	.20	.30	.46	.66	.84	1.07	1.29
12.....	.14	.22	.32	.50	.72	.92	1.16	1.40
13.....	.14	.23	.34	.54	.77	.99	1.26	1.51
14.....	.15	.24	.36	.58	.82	1.06	1.35	1.63
15.....	.15	.25	.38	.61	.89	1.13	1.44	1.74
16.....	.16	.26	.40	.65	.94	1.21	1.53	1.85
17.....	.16	.27	.42	.68	.99	1.28	1.63	1.97
18.....	.17	.28	.44	.72	1.05	1.35	1.72	2.08
19.....	.17	.29	.46	.75	1.10	1.42	1.81	2.19
20.....	.18	.30	.48	.79	1.15	1.49	1.91	2.31
21.....	.18	.31	.50	.82	1.21	1.57	2.00	2.42
22.....	.19	.33	.53	.87	1.27	1.64	2.09	2.53
23.....	.19	.34	.55	.90	1.32	1.71	2.18	2.65
24.....	.20	.35	.57	.94	1.37	1.78	2.28	2.76
25.....	.20	.36	.59	.97	1.43	1.85	2.37	2.87
26.....	.21	.37	.61	1.01	1.48	1.93	2.46	2.99
27.....	.21	.38	.63	1.04	1.53	2.00	2.55	3.10
28.....	.22	.39	.65	1.08	1.60	2.07	2.65	3.21
29.....	.22	.40	.67	1.11	1.65	2.14	2.74	3.33
30.....	.23	.41	.69	1.15	1.70	2.21	2.83	3.44
31.....	.23	.42	.71	1.18	1.75	2.29	2.93	3.55
32.....	.24	.44	.73	1.23	1.81	2.36	3.02	3.67
33.....	.24	.45	.75	1.26	1.86	2.43	3.11	3.78
34.....	.25	.46	.77	1.30	1.92	2.50	3.20	3.89
35.....	.25	.47	.79	1.33	1.98	2.58	3.30	4.01
36.....	.26	.48	.81	1.37	2.03	2.65	3.39	4.12
37.....	.26	.49	.83	1.40	2.08	2.72	3.48	4.23
38.....	.27	.50	.85	1.44	2.14	2.79	3.57	4.35
39.....	.27	.52	.88	1.47	2.19	2.86	3.67	4.46
40.....	.28	.53	.90	1.51	2.25	2.94	3.76	4.57
41.....	.28	.54	.92	1.55	2.30	3.01	3.85	4.69
42.....	.29	.56	.94	1.59	2.36	3.08	3.94	4.80
43.....	.29	.57	.96	1.62	2.41	3.15	4.04	4.91
44.....	.30	.58	.98	1.66	2.46	3.22	4.13	5.03
45.....	.30	.59	1.00	1.69	2.52	3.30	4.22	5.14
46.....	.31	.60	1.02	1.73	2.58	3.37	4.32	5.25
47.....	.31	.61	1.04	1.76	2.63	3.44	4.41	5.37
48.....	.32	.62	1.06	1.80	2.69	3.51	4.50	5.48
49.....	.32	.63	1.08	1.83	2.74	3.58	4.59	5.59
50.....	.33	.64	1.10	1.87	2.79	3.66	4.69	5.71
51.....	.33	.65	1.12	1.91	2.84	3.73	4.78	5.82
52.....	.34	.67	1.14	1.95	2.90	3.80	4.87	5.93
53.....	.34	.68	1.16	1.98	2.96	3.87	4.96	6.05
54.....	.35	.69	1.18	2.02	3.01	3.94	5.06	6.16
55.....	.35	.70	1.21	2.05	3.07	4.02	5.15	6.27
56.....	.36	.71	1.23	2.09	3.12	4.09	5.24	6.39
57.....	.36	.72	1.25	2.12	3.17	4.16	5.34	6.50
58.....	.37	.73	1.27	2.16	3.23	4.23	5.43	6.61
59.....	.37	.74	1.29	2.19	3.29	4.31	5.52	6.73
60.....	.38	.75	1.31	2.24	3.34	4.38	5.61	6.84
61.....	.38	.76	1.33	2.27	3.39	4.45	5.71	6.95
62.....	.39	.78	1.35	2.31	3.45	4.52	5.80	7.07
63.....	.39	.79	1.37	2.34	3.50	4.59	5.89	7.18
64.....	.40	.80	1.39	2.38	3.55	4.67	5.98	7.29
65.....	.40	.81	1.41	2.41	3.62	4.74	6.08	7.41
66.....	.41	.82	1.43	2.45	3.67	4.81	6.17	7.52
67.....	.41	.83	1.45	2.48	3.72	4.88	6.26	7.63
68.....	.42	.84	1.47	2.52	3.78	4.95	6.36	7.75
69.....	.42	.85	1.49	2.55	3.83	5.03	6.45	7.86
70.....	.43	.87	1.51	2.60	3.88	5.10	6.54	7.97

EXCEPTIONS:

In the first or second zone, where the distance by the shortest regular practicable mail route is 300 miles or more, the rate is the same as for the third zone.

On parcels collected on rural routes the postage is 2 cents less per parcel than shown in the foregoing table when for local delivery and 8 cents less per parcel when for other than local delivery.

Parcels weighing less than 10 pounds measuring over 34 inches, but not more than 100 inches in length and girth combined, are subject to a minimum charge equal to that for a 10-pound parcel for the zone to which addressed.

How to Prevent Fires

Most fire losses occurring in the United States and Canada, the two countries that lead the world in per capita loss, arise from causes easily preventable. You can reduce your probability of loss by attention to the following simple precautions:

1. Provide metal containers for hot ashes and prohibit the use of wooden receptacles.
2. Keep cellars, closets and stairways free from loose wrapping paper or other highly combustible material.
3. Equip your property so that it is easy to turn off current when leaving electric irons and other heating appliances, even for a short time.
4. Use only good standard fuses and never permit the substitution of coins or wires for blown fuses.
5. Examine metal flues periodically and see that

they are renewed before they are badly weakened by internal rust or otherwise.

6. See that accumulations of soot are removed from your chimneys at least once in each year, preferably before lighting fires in the Fall.

7. Make sure that gasoline and other inflammable fluids, including kerosene, are kept out of rooms where there are open fires or flames of any kind.

8. Keep open lights (candles, gas) and portable electric heaters away from curtains or other inflammable material which may come in contact with them.

9. If oil mops are used on your floors, see to it that they are kept, when not in use, preferably on an incombustible floor (such as the concrete floor in your basement) and never in a closet.

10. Keep your supply of matches in a closed metal receptacle and out of reach of the children.

Rules in Case of Fire

Familiarize yourself with the location of windows and natural escapes.

Learn the position of all stairways, particularly the top landing and scuttle to the roof.

Keep the doors of rooms shut.

Wet a towel, stuff it in the mouth, breathe through it instead of nose, so as not to inhale smoke.

Never get excited, try to recall the means of exit.

If room fills with smoke keep close to floor and crawl along by the walls to the window.

NEVER go to roof, unless as a last resort and you know there is escape to adjoining buildings.

NEVER jump through flames in a building without covering the head with a blanket or heavy clothing.

Open windows from the top.

Common Stains and How to Remove Them.

Blood and meat juice. Use cold water; soap and cold water; or starch paste.

Bluing. Use boiling water.

Chocolate and cocoa. Use borax and cold water; bleach if necessary.

Coffee and tea. (Clear)—Use boiling water; bleach if necessary. (With cream.)—Use cold water, then boiling water; bleach if necessary.

Cream and milk. Use cold water, then soap and cold water.

Egg. Use cold water.

Fruit and fruit juices. Use boiling water; bleach if necessary.

Grass. Use cold water; soap and cold water; alcohol; or a bleaching agent.

Grease and oils. Use French chalk blotting paper or other absorbent; or warm water and soap; or gasoline, benzine, or carbon tetrachloride.

Iodine. Use warm water and soap; alcohol; or ammonia.

Ink. Try cold water; then use an acid or bleach if necessary.

Iron. Use oxalic acid; hydrochloric acid; salts of lemon; or lemon juice and salt.

Kerosene. Use warm water and soap.

Lampblack and soot. Use kerosene, benzine, chloroform, ether, gasoline, or carbon tetrachloride.

Medicine. Use alcohol.

Mildew. If fresh, use cold water; otherwise try to bleach with Javelle water or potassium permanganate.

Paint and varnish. Use alcohol, carbon tetrachloride, chloroform, or turpentine.

Perspiration. Use soap and warm water; bleach in the sun or with Javelle water or potassium permanganate.

Pitch, tar and wheel grease. Rub with fat; then use soap and warm water; or benzine, gasoline, or carbon tetrachloride.

Scorch. Bleach in the sunshine or with Javelle water.

Shoe polish. (Black.)—Use soap and water; or turpentine. (Tan.)—Use alcohol.

Syrup. Use water.

Store polish. Use cold water and soap; or kerosene, benzine or gasoline.

Vaseline. Use kerosene or turpentine.

Water. Steam or sponge the entire surface of water-spotted materials.

Wax. Scrape off as much as possible. Use French chalk, blotting paper or other absorbent, with a warm iron; or use benzine or gasoline. If color remains, use alcohol or bleach.

Help in Case of Accident

In all cases of serious shock or injury, send for a doctor or ambulance at once. In the meantime, apply first aid promptly, but not hastily.

BLEEDING WOUNDS—Bleeding in spurts indicates severing of an artery. Steady flow indicates a vein has been cut. Bleeding from an artery should be stopped by applying pressure of the thumb, a compress or cloth pad over the artery at a point between the bleeding wound and the heart. In bleeding from a vein (steady flow), pressure should be applied on the side away from the heart. Where bleeding is not severe, a compress over the open wound should be sufficient. If bleeding is very severe, tourniquet may be made by tying handkerchief, cloth, belt, strap or neck-tie around the part over compress and using small stick, pencil, or similar article with which to twist and tighten. Do not twist too hard, just enough to stop bleeding. Loosen every twenty minutes to let a little blood escape. Keep the part elevated.

SHOCK—Lay patient flat on back with head low, unless head is bleeding. Remove false teeth, gum or tobacco from mouth. Keep patient warm. Give stimulants such as aromatic spirits of ammonia in water, hot coffee, tea or water. Do not give stimulant to unconscious patients, or one who may have internal bleeding.

POISONED WOUNDS—From bite of animal—Treat immediately. Wash under running water to remove animal saliva. Have patient lie down and remain quiet. Apply ligature or bandage above wound to prevent spread of poison. With tip of knife or razor blade, sterilized by passing through flame, if possible, cut into wound, a depth of $\frac{1}{8}$ to $\frac{1}{4}$ inch over each fang mark, and let poison out. Apply suction, or if no other means available, suck the wound out by mouth, provided there are no open sores or wounds in mouth, and remove as much poison as possible from it. Be careful not to swallow. Continue suction for about a half hour. Cauterize with nitric acid, chloride of zinc or nitrate of silver, or by applying white hot iron. Give patient stimulants and rush to doctor at once.

BURNS AND SCALDS—Skin unbroken. A paste of baking soda in water; cod-liver, olive, or castor oil; or vaseline. Cover with sterile gauze. Where skin is broken, apply wet baking soda, gentian violet jelly, picric acid gauze, or tannic acid jelly. Keep dressing moist. Chemical burns

—wash immediately with large quantities of clean water before applying any other treatment.

FAINTING—Place flat on back, head lower than rest of body, loosen clothing, allow plenty of fresh air and keep warm.

LIGHTNING OR SUN STROKE — Loosen clothing, dash cold water on face, treat for shock. In case of sun stroke, remove to shade. Apply cold water to head.

ARTIFICIAL RESPIRATION — Prone Method

Some injuries such as electric shock, drowning, gas poisoning and choking interfere with breathing and may cause asphyxiation, unless normal breathing is promptly restored. Artificial respiration should be resorted to to bring this about, but remember, **SEND FOR A DOCTOR IMMEDIATELY.**

Lay the patient prone, (face down), the head "downhill", if possible, with one arm extended directly overhead, and the other arm bent at the elbow to form a resting place for the head, so that nose and mouth are free for breathing.

Kneel, straddling the patient's thighs, with palms of the hands on the small of the back, and fingers resting on the ribs, the little finger just touching the lowest rib, and the fingers extended straight down.

With arms held straight, swing forward slowly, bringing the weight of the body gradually upon the patient, so that the shoulder in this position is directly over the heel of the hand at the end of the forward swing. Do not bend elbows. Then immediately swing backward, so as to remove the pressure completely. After two seconds, repeat the pressure and release, the complete swing forward and backward to take four or five seconds, or 12 to 15 times a minute. Continue without interruption until the patient breathes naturally.

Patients have been revived after as long as four hours or more by this method. Keep up the artificial respiration and do not allow patient, even if he starts to breathe naturally, to stand or sit up. Keep patient warm and if doctor has not arrived by the time patient has revived, give light stimulants, 1 teaspoon of aromatic spirits of ammonia in a small glass of water, or hot drink of coffee or tea. Watch patient to see that normal breathing continues, and if natural breathing stops, begin artificial respiration again. If necessary, to change operator, the change should be made without losing the rhythm of respiration.

IN CASE OF POISONING

First—Send for a physician.

Second—Induce vomiting by tickling throat with feather or finger. Drink hot water or strong mustard and water. Swallow sweet oil or whites of eggs.

Acids are antidotes for Alkalies and vice versa.

SPECIAL POISONS AND ANTIDOTES

ACIDS—Muriatic, Oxalic, Acetic Sulphuric (Oil of Vitriol), Nitric (Aqua Fortis).

Ant.—Soap suds, magnesias, lime-water.

PRUSSIC ACID, Cyanide of Potassium.

Ant.—Ammonia in water. Dash water in face. Give stimulants.

CARBOLIC ACID—

Ant.—Flour and water, mucilaginous drinks.

ALKALIES, Potash, Lye, Hartshorn, Ammonia.

Ant.—Vinegar or lemon juice in water.

ARSENIC. Rat Poison, Paris Green.

Ant.—Milk, raw eggs, sweet oil, lime-water, flour and water.

BUG POISON. Lead, Saltpetre, Corrosive Sublimite, Sugar of Lead, Blue Vitriol.

Ant.—Whites of eggs or milk in large doses.

CHLOROFORM. Chloral. Ether.

Ant.—Give emetic, keep patient aroused; apply mustard plaster over heart and calves of legs; use artificial respiration.

CARBONATE OF SODA. Coperas. Cobalt.

Ant.—Soap suds and mucilaginous drinks.

IODINE. Antimony, Tartar Emetic.

Ant.—Starch and water, chalk, magnesias, starchy food, strong tea. Apply external heat.

MERCURY and its Salts.

Ant.—Whites of Eggs, Milk Mucilages.

OPIUM. Morphine, Laudanum, Paregoric. Soothing Powders or Syrups.

Ant.—Strong coffee, mustard or ipecac as emetic. Keep awake and moving. Keep warm.

Capitals of The States

State and Capital	Est'd Union
Alabama—Montgomery	Dec. 14, 1819
Arizona—Phoenix	Feb. 14, 1912
Arkansas—Little Rock	June 15, 1836
California—Sacramento	Sept. 9, 1850
Colorado—Denver	Aug. 1, 1876
Connecticut—Hartford	Jan. 9, 1783
Delaware—Dover	Dec. 7, 1787
Dist. of Columbia—Washington	July 16, 1790
Florida—Tallahassee	Mar. 3, 1845
Georgia—Atlanta	Jan. 2, 1788
Idaho—Boise	July 3, 1890
Illinois—Springfield	Dec. 3, 1815
Indiana—Indianapolis	Dec. 11, 1816
Iowa—Des Moines	Dec. 28, 1846
Kansas—Topeka	Jan. 29, 1861
Kentucky—Frankfort	June 1, 1792
Louisiana—Baton Rouge	Apr. 30, 1812
Maine—Augusta	Mar. 15, 1820
Maryland—Annapolis	Apr. 28, 1788
Massachusetts—Boston	Feb. 6, 1783
Michigan—Lansing	Jan. 26, 1837
Minnesota—St. Paul	May 11, 1858
Mississippi—Jackson	Dec. 10, 1817
Missouri—Jefferson City	Aug. 10, 1821

State and Capital	Est'd Union
Montana—Helena	Nov. 8, 1889
Nebraska—Lincoln	Mar. 1, 1867
Nevada—Carson City	Oct. 31, 1864
New Hampshire—Concord	June 21, 1788
New Jersey—Trenton	Dec. 18, 1787
New Mexico—Sante Fe	Jan. 6, 1912
New York—Albany	July 26, 1788
North Carolina—Raleigh	Nov. 21, 1789
North Dakota—Bismarck	Nov. 2, 1889
Ohio—Columbus	Feb. 19, 1803
Oklahoma—Oklahoma City	Nov. 16, 1907
Oregon—Salem	Feb. 14, 1859
Pennsylvania—Harrisburg	Dec. 12, 1787
Rhode Island—Providence	May 29, 1790
South Carolina—Columbia	May 23, 1788
South Dakota—Pierre	Nov. 2, 1889
Tennessee—Nashville	June 1, 1796
Texas—Austin	Dec. 29, 1845
Utah—Salt Lake City	Jan. 4, 1896
Vermont—Montpelier	Mar. 4, 1791
Virginia—Richmond	June 26, 1783
Washington—Olympia	Nov. 11, 1889
West Virginia—Charleston	June 20, 1863
Wisconsin—Madison	May 29, 1848
Wyoming—Cheyenne	July 11, 1890

Business Laws

Principals are responsible for the acts of their agents within the actual or apparent scope of given authority. Individual partners are each individually liable for the whole of firm obligations. The acts of any or all partners within the scope of firm business measure the firm obligations.

The word "limited" in connection with firm names indicates a limitation of the usual liability.

Laws vary in the different states concerning contracts made on Sunday and only certain transactions are voidable.

Contracts concerning land must be in writing. A contract with a minor or lunatic is generally void.

A promise in an agreement, to be enforced, requires consideration. Consideration is something given or promised in exchange for the promise which is being enforced. An act or promise which is illegal will not constitute a valid consideration.

Notes bear interest only after maturity, unless otherwise stated. Demand notes are payable when presented, without grace, and bear legal interest after demand.

The fact that a note is lost or stolen does not cancel the obligation. The maker, however, may demand a bond for his protection before making payment.

An endorsement "without recourse" merely releases the endorser from the guaranty of payment usually imposed upon him. He still warrants the note to be genuine and his right to endorse.

An instrument is not invalid for the reason only that it is ante-dated or post-dated, provided this is not done for any illegal or fraudulent purpose. If a note is materially altered by the holder, it becomes void but it does not avoid liability as to all parties.

The words "value received" are not necessary in a note.

The endorser of a negotiable instrument are liable only after due notice of dishonor. An instrument is dishonored if not paid upon presentment to the maker when due. Prompt notice of dishonor must be given the endorser. Generally stated, the notice of dishonor must be given actually or mailed within 24 hours. Notice of protest (presentment and non-payment) may be sent either to the place of business or residence of the party notified. If a letter containing notice of protest or dishonor be properly mailed, it is sufficient notice even though it miscarries.

Signatures with a lead pencil are good in law, but inadvisable. While a receipt for money is not conclusive of its payment, it requires clear evidence to rebut same.

In the hands of a holder in due course, a note fraudulently obtained, may or may not be a defense to the instrument.

When contracts are reduced to writing, understandings cannot be shown which are not in the writing.

Points of Constitutional Laws

Congress must meet at least once a year.

Congress may admit as many new States as desired.

One State cannot undo the act of another.

By the constitution every citizen is guaranteed a speedy trial by jury

A power which is vested in Congress alone cannot be exercised by a State.

One State must respect the legal decisions and laws of another.

Congress cannot pass a law to punish for a crime already committed.

A person who commits a felony in one State cannot find refuge in another.

Bills for revenue can originate only in the House of Representatives, but the Senate may propose or concur with amendments.

Treaties with foreign powers are made by the President and ratified by the Senate.

The territories each have a delegate to Congress who is allowed the privilege of debate, but not the right to vote.

The Vice-President, who ex-officio presides over the Senate, has no vote in that body except in case of a tie ballot.

If the President holds a bill longer than ten days while Congress is in session it becomes a law without his signature.

An act of Congress cannot become a law over the President's veto except on a two-thirds vote of both Houses.

The House of Representatives may impeach the President for any crime, but the Senate has the sole power to try all impeachments.

An officer of the United States Government is not permitted to accept any title of nobility, order of honor except with the permission of Congress.

Amendments to the Constitution of the United States require a two-thirds vote of each House of Congress, and must be ratified by at least three-fourths of the States.

The President of the United States must be at least 35 years of age; a Senator, 30; a Congressman, 25. The President must have been a resident within the United States fourteen years.

A naturalized citizen is not eligible to the office of President of the United States. A male child born in a foreign land to American parents has an equal chance to become the President with one born on American soil.

The United States shall guarantee to every State a republican form of government, and shall protect each of them against invasion, and on application of the Legislature or of the Executive (when the Legislature cannot be convened) against domestic trouble.

Rules for Computing Interest

The following will be found to be excellent rules for finding the interest on any principal for any number of days. When the principal contains cents point off four places from the right of the result to express the interest in dollars and cents. When the principal contains dollars only, point off two places.

Two Per Cent.—Multiply the principal by the number of days to run, and divide by 180.

Two and One-half Per Cent.—Multiply by number of days and divide by 144.

Three Per Cent.—Multiply by number of days, and divide by 120.

Three and One-half Per Cent.—Multiply by number of days and divide by 108.

Four Per Cent.—Multiply by number of days and divide by 90.

Five Per Cent.—Multiply by number of days, and divide by 72.

Six Per Cent.—Multiply by number of days, and divide by 60.

Seven Per Cent.—Multiply by number of days, and divide by 52.

Eight Per Cent.—Multiply by number of days, and divide by 45.

Nine Per Cent.—Multiply by number of days, and divide by 40.

Ten Per Cent.—Multiply by number of days, and divide by 36.

Twelve Per Cent.—Multiply by number of days, and divide by 30.

Fifteen Per Cent.—Multiply by number of days and divide by 24.

Interest Tables

TWO PER CENT

Time	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1,000
4 Day	0	0	0	0	0	0	0	0	0	0	2	22
8 "	0	0	0	0	0	0	0	0	0	0	4	44
12 "	0	0	0	0	0	0	0	1	1	1	7	67
16 "	0	0	0	0	0	1	1	1	1	1	9	89
20 "	0	0	0	1	1	1	1	1	1	1	11	1.11
24 "	0	0	0	1	1	1	1	1	1	1	13	1.33
28 "	0	0	0	1	1	1	1	1	1	2	16	1.56
1 Mo.	0	0	1	1	1	1	1	2	2	2	17	1.67
2 "	0	1	1	1	1	2	2	3	3	3	33	3.33
3 "	1	1	2	2	3	3	4	4	5	5	50	5.00
4 "	1	1	2	3	3	4	5	5	6	7	67	6.67
5 "	1	2	3	3	4	5	6	7	8	8	83	8.33
6 "	1	2	3	4	5	6	7	8	9	10	1.00	10.00
1 Yr.	2	4	6	8	10	12	14	16	18	20	2.00	20.00

THREE PER CENT

Time	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1,000
4 Day	0	0	0	0	0	0	0	1	1	1	4	34
8 "	0	0	0	1	1	1	1	1	1	1	7	67
12 "	0	0	1	1	1	1	1	1	1	1	10	1.00
16 "	0	1	1	1	1	1	1	1	1	2	14	1.34
20 "	1	1	1	1	1	1	1	2	2	2	17	1.67
24 "	1	1	1	1	1	2	2	2	2	2	20	2.00
28 "	1	1	1	1	2	2	2	2	3	3	24	2.34
1 Mo.	1	1	1	2	2	2	2	3	3	3	25	2.50
2 "	1	1	2	2	3	3	4	4	5	5	50	5.00
3 "	1	2	3	3	4	5	6	6	7	8	75	7.50
4 "	1	2	3	4	5	6	7	8	9	10	1.00	10.00
5 "	2	3	4	5	7	8	9	10	12	13	1.25	12.50
6 "	2	3	5	6	8	9	11	12	14	15	1.50	15.00
1 Yr.	3	6	9	12	15	18	21	24	27	30	3.00	30.00

TWO AND ONE-HALF PER CENT

Time	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1,000
4 Day	0	0	0	0	0	0	0	0	0	0	3	28
8 "	0	0	0	0	0	0	1	1	1	1	6	56
12 "	0	0	0	0	1	1	1	1	1	1	9	84
16 "	0	0	0	1	1	1	1	1	1	1	11	1.11
20 "	0	0	1	1	1	1	1	1	2	2	14	1.14
24 "	0	0	1	1	1	2	2	2	2	2	17	1.67
28 "	0	1	1	1	2	2	2	2	2	2	20	1.70
1 Mo.	0	1	1	1	2	2	2	2	2	2	21	2.09
2 "	1	1	2	2	2	3	3	4	4	5	42	4.17
3 "	1	2	2	3	3	4	5	5	6	7	63	6.25
4 "	1	2	3	3	5	5	6	7	8	9	84	8.34
5 "	1	2	4	5	6	7	8	9	10	11	1.05	10.44
6 "	2	3	4	5	7	8	9	10	12	13	1.25	12.50
1 Yr.	3	5	8	10	13	15	18	20	23	25	2.50	25.00

SIX PER CENT

Time	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1,000
4 Day	0	0	0	0	0	0	0	1	1	1	7	67
8 "	0	0	0	1	1	1	1	1	1	1	13	1.33
12 "	0	0	1	1	1	1	1	2	2	2	20	2.00
16 "	0	1	1	1	1	2	2	2	2	3	27	2.67
20 "	1	1	1	2	2	2	2	3	3	3	33	3.33
24 "	1	1	1	2	2	3	3	4	4	4	40	4.00
28 "	1	1	1	2	2	3	3	4	4	5	47	4.67
1 Mo.	1	1	2	2	3	3	4	4	5	5	50	5.00
2 "	1	2	3	4	5	6	7	8	9	10	1.00	10.00
3 "	2	3	5	6	8	9	11	12	14	15	1.50	15.00
4 "	2	4	6	8	10	12	14	16	18	20	2.00	20.00
5 "	3	5	8	10	13	15	18	20	23	25	2.50	25.00
6 "	3	6	9	12	15	18	21	24	27	30	3.00	30.00
1 Yr.	6	12	18	24	30	36	42	48	54	60	6.00	60.00

on Dividend-Paying Stocks at Various Prices Par Value \$100.00

Pr.	1%	2%	3%	4%	5%	6%	7%	8%	Price	3%	4%	5%	6%	7%	8%	10%	12%
10	10%	20%	30%	40%	50%	60%	70%	80%	89	3.37	4.49	5.62	6.74	7.87	8.99	11.24	13.48
11	9.09	18.18	27.27	36.36	45.45	54.55	63.64	72.73	90	3.33	4.44	5.56	6.67	7.78	8.89	11.11	13.33
12	8.33	16.67	25.00	33.33	41.67	50.00	58.34	66.67	91	3.30	4.40	5.49	6.59	7.69	8.79	11.98	13.18
13	7.69	15.38	23.08	30.77	38.46	46.15	53.85	61.54	92	3.26	4.35	5.43	6.52	7.61	8.70	10.87	13.04
14	7.14	14.29	21.43	28.57	35.71	42.86	50.00	57.14	93	3.23	4.30	5.38	6.45	7.53	8.60	10.75	12.90
15	6.67	13.33	20.00	26.67	33.33	40.00	46.67	53.33	94	3.19	4.26	5.32	6.38	7.45	8.51	10.64	12.77
16	6.25	12.50	18.75	25.00	31.25	37.50	43.75	50.00	95	3.16	4.21	5.26	6.32	7.37	8.42	10.53	12.63
17	5.88	11.76	17.65	23.53	29.41	35.29	41.18	47.06	96	3.13	4.17	5.21	6.25	7.29	8.33	10.42	12.50
18	5.56	11.11	16.67	22.22	27.78	33.33	38.89	44.44	97	3.09	4.12	5.15	6.19	7.22	8.25	10.31	12.37
19	5.26	10.53	15.79	21.05	26.32	31.58	36.84	42.11	98	3.06	4.08	5.10	6.12	7.14	8.16	10.20	12.24
20	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	99	3.03	4.04	5.05	6.06	7.07	8.08	10.10	12.12
21	4.76	9.52	14.29	19.05	23.81	28.57	33.33	38.00	100	3.00	4.00	5.00	6.00	7.00	8.00	10.00	12.00
22	4.55	9.09	13.64	18.18	22.73	27.27	31.82	36.36	101	2.97	3.96	4.95	5.94	6.93	7.92	9.90	11.88
23	4.35	8.70	13.04	17.39	21.74	26.09	30.43	34.78	102	2.94	3.92	4.90	5.88	6.86	7.84	9.80	11.77
24	4.16	8.33	12.50	16.67	20.83	25.00	29.17	33.33	103	2.91	3.88	4.85	5.83	6.80	7.77	9.71	11.65
25	4.00	8.00	12.00	16.00	20.00	24.00	28.00	32.00	104	2.88	3.85	4.81	5.77	6.73	7.69	9.62	11.54
26	3.85	7.69	11.54	15.39	19.23	23.08	26.92	30.77	105	2.86	3.81	4.76	5.71	6.67	7.62	9.52	11.43
27	3.70	7.41	11.11	14.81	18.52	22.22	25.93	29.63	106	2.83	3.77	4.72	5.66	6.60	7.55	9.43	11.32
28	3.57	7.14	10.71	14.29	17.86	21.43	25.00	28.57	107	2.80	3.74	4.67	5.61	6.54	7.48	9.34	11.21
29	3.45	6.90	10.34	13.79	17.24	20.69	24.14	27.59	108	2.78	3.70	4.63	5.56	6.48	7.41	9.26	11.11
30	3.33	6.67	10.00	13.33	16.67	20.00	23.33	26.67	109	2.75	3.67	4.59	5.50	6.42	7.34	9.17	11.01
31	3.23	6.45	9.68	12.90	16.13	19.35	22.58	25.81	110	2.73	3.64	4.55	5.45	6.36	7.27	9.09	10.90
32	3.13	6.25	9.38	12.50	15.63	18.75	21.88	25.00	112½	2.67	3.56	4.44	5.33	6.22	7.11	8.89	10.67
33	3.03	6.06	9.09	12.12	15.15	18.18	21.21	24.24	115	2.61	3.48	4.35	5.22	6.09	6.96	8.70	10.43
34	2.94	5.88	8.82	11.76	14.71	17.65	20.58	23.53	117	2.55	3.40	4.26	5.11	5.96	6.81	8.51	10.21
35	2.86	5.71	8.57	11.43	14.29	17.14	20.00	22.86	120	2.50	3.33	4.17	5.00	5.83	6.67	8.33	10.00
36	2.78	5.56	8.33	11.11	13.89	16.67	19.44	22.22	122½	2.45	3.27	4.08	4.90	5.71	6.53	8.16	9.80
37	2.70	5.41	8.11	10.81	13.51	16.22	18.92	21.62	125	2.40	3.20	4.00	4.80	5.60	6.40	8.00	9.60
38	2.63	5.26	7.89	10.53	13.16	15.79	18.42	21.05	127½	2.35	3.14	3.92	4.71	5.49	6.27	7.84	9.41
39	2.56	5.13	7.69	10.26	12.82	15.38	17.95	20.51	130	2.31	3.08	3.85	4.62	5.38	6.15	7.69	9.23
40	2.50	5.00	7.50	10.00	12.50	15.00	17.50	20.00	132½	2.26	3.02	3.77	4.53	5.28	6.04	7.55	9.06
41	2.44	4.88	7.32	9.76	12.20	14.63	17.07	19.51	135	2.22	2.96	3.71	4.44	5.19	5.93	7.41	8.89
42	2.38	4.76	7.14	9.52	11.90	14.29	16.67	19.05	137½	2.18	2.91	3.64	4.36	5.09	5.82	7.27	8.73
43	2.33	4.65	6.98	9.30	11.63	13.97	16.28	18.60	140	2.14	2.86	3.57	4.29	5.00	5.71	7.14	8.57
44	2.27	4.55	6.82	9.09	11.36	13.64	15.91	18.18	142½	2.11	2.81	3.51	4.21	4.91	5.61	7.02	8.42
45	2.22	4.44	6.67	8.89	11.11	13.33	15.56	17.78	145	2.07	2.76	3.45	4.14	4.83	5.52	6.90	8.28
46	2.17	4.35	6.52	8.70	10.87	13.04	15.22	17.35	147½	2.03	2.71	3.39	4.07	4.75	5.42	6.78	8.14
47	2.13	4.26	6.38	8.51	10.64	12.77	14.89	17.02	150	2.00	2.67	3.33	4.00	4.67	5.33	6.67	8.00
48	2.08	4.17	6.25	8.33	10.42	12.50	14.58	16.67	152½	1.97	2.62	3.28	3.93	4.59	5.25	6.56	7.87
49	2.04	4.08	6.12	8.16	10.20	12.24	14.28	16.33	155	1.94	2.58	3.23	3.87	4.52	5.16	6.45	7.74
50	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	160	1.88	2.50	3.13	3.75	4.38	5.00	6.25	7.50
51	1.96	3.92	5.88	7.84	9.80	11.76	13.73	15.69	165	1.82	2.42	3.03	3.64	4.24	4.85	6.06	7.27
52	1.92	3.85	5.77	7.69	9.62	11.54	13.46	15.38									
53	1.89	3.77	5.66	7.55	9.43	11.32	13.21	15.09									
54	1.85	3.70	5.56	7.41	9.26	11.11	12.96	14.82									
55	1.82	3.64	5.45	7.27	9.09	10.91	12.73	14.55									
56	1.79	3.57	5.36	7.14	8.93	10.72	12.50	14.29									
57	1.75	3.51	5.26	7.02	8.77	10.53	12.28	14.04									
58	1.72	3.45	5.17	6.90	8.62	10.34	12.07	13.79									
59	1.69	3.39	5.08	6.78	8.47	10.17	11.86	13.56									
60	1.67	3.33	5.00	6.67	8.34	10.00	11.67	13.34									
61	1.64	3.28	4.92	6.56	8.20	9.84	11.48	13.11									
62	1.61	3.23	4.84	6.45	8.06	9.68	11.29	12.90									
63	1.59	3.17	4.76	6.35	7.94	9.52	11.11	12.70									
64	1.56	3.13	4.69	6.25	7.81	9.38	10.94	12.50									
65	1.54	3.08	4.62	6.15	7.69	9.23	10.77	12.31									
66	1.52	3.03	4.55	6.06	7.58	9.09	10.61	12.12									
67	1.49	2.99	4.49	5.97	7.46	8.96	10.45	11.94									
68	1.47	2.94	4.41	5.88	7.35	8.81	10.29	11.76									
69	1.45	2.90	4.35	5.80	7.25	8.70	10.14	11.59									
70	1.43	2.86	4.29	5.71	7.14	8.57	10.00	11.43									
71	1.41	2.82	4.23	5.63	7.04	8.45	9.86	11.27									
72	1.39	2.78	4.17	5.56	6.94	8.33	9.72	11.11									
73	1.37	2.74	4.11	5.48	6.85	8.22	9.59	10.96									
74	1.35	2.70	4.05	5.41	6.76	8.11	9.46	10.81									
75	1.33	2.67	4.00	5.33	6.67	8.00	9.33	10.67									
76	1.32	2.63	3.95	5.26	6.58	7.89	9.21	10.53									
77	1.30	2.60	3.90	5.19	6.49	7.79	9.09	10.39									
78	1.28	2.56	3.85	5.13	6.41	7.69	8.97	10.26									
79	1.27	2.53	3.80	5.06	6.33	7.59	8.86	10.13									
80	1.25	2.50	3.75	5.00	6.25	7.50	8.75	10.00									
81	1.23	2.47	3.70	4.94	6.17	7.41	8.64	9.88									
82	1.22	2.44	3.66	4.88	6.10	7.32	8.54	9.76									
83	1.20	2.41	3.61	4.82	6.02	7.23	8.43	9.64									
84	1.19	2.38	3.57	4.76	5.95	7.14	8.33	9.52									
85	1.18	2.35	3.53	4.71	5.88	7.06	8.24	9.41									
86	1.16	2.33	3.49	4.65	5.81	6.98	8.14	9.30									
87	1.15	2.30	3.45	4.60	5.75	6.90	8.05	9.20									
88	1.14	2.27	3.41	4.55	5.68	6.82	7.95	9.09									
									Price	4%	5%	6%	7%	8%	10%	12%	14%
									170	2.35	2.94	3.53	4.12	4.71	5.88	7.06	8.24
									175	2.29	2.86	3.43	4.00	4.57	5.71	6.86	8.00
									180	2.22	2.78	3.33	3.89	4.44	5.56	6.67	7.78
									185	2.16	2.70	3.24	3.78	4.32	5.41	6.49	7.57
									190	2.11	2.63	3.16	3.68	4.21	5.26	6.32	7.37

Weights and Measures

APOTHECARIES' WEIGHT

20 grains.....1 scruple	8 drams.....1 ounce
3 scruples.....1 dram	12 ounces.....1 pound
Ounce and pound are the same as in Troy Weight	

AVOIRDUPOIS WEIGHT

27-11/32 grains...1 dram	25 pounds...1 quarter
16 drams.....1 ounce	4 quarters...1 cwt.
16 ounces.....1 pound	2,000 lbs...1 short ton
2,240 pounds.....1 long ton	

TROY WEIGHT

24 grains.....1 dwt.	
20 dwts.....1 ounce	12 ounces.....1 pound
Used for weighing gold, silver and jewels	

CLOTH MEASURE

3 1/4 inches.....1 nail	4 nails.....1 quarter
4 quarters.....1 yard	

CUBIC MEASURE

1,728 cubic inches.....1 cubic foot	
27 cubic feet.....1 cubic yard	
128 cubic feet.....1 cord (wood)	
40 cubic feet.....1 ton (shipping)	
2,150.42 cubic inches.....1 standard bushel	
231 cubic inches.....1 U. S. standard gallon	
1 cubic foot.....about 4/5 of a bushel	

DRY MEASURE

2 pints.....1 quart	4 pecks.....1 bushel
8 quarts.....1 peck	36 bushels.....1 chaldron

LIQUID MEASURE

4 gills.....1 pint	4 quarts.....1 gallon
2 pints.....1 quart	31 1/2 gallons.....1 barrel
2 barrels.....1 hogshead	

LONG MEASURE

12 inches.....1 foot	40 rods.....1 furlong
3 feet.....1 yard	8 furlongs.....1 sta. mile
5 1/2 yards.....1 rod	3 miles.....1 league

MARINERS' MEASURE

6 feet=1 fathom	120 fathoms=1 cable length
7 1/2 cable lengths.....1 mile	
5,280 feet.....1 statute mile	
6,085 feet.....1 nautical mile	

PAPER MEASURE

24 sheets, 1 quire; 20 quires, 1 ream (480 sheets)	
2 reams.....1 bundle	5 bundles.....1 bale

SQUARE MEASURE

144 sq. inches.....1 sq. ft.	40 sq. rods. 1 rood
9 sq. ft.....1 sq. yard	4 roads.....1 acre
30 1/2 sq. yards.....1 sq. rod	640 acres.....1 sq. mile

SURVEYORS' MEASURE

7.92 inches.....1 link	
25 links.....1 rod	
4 rods.....1 chain	
10 sq. chains or 160 sq. rods.....1 acre	
640 acres.....1 sq. mile	
36 sq. miles (6 miles sq.).....1 township	

TIME MEASURE

60 seconds=1 minute	60 minutes=1 hour
24 hours=1 day	7 days=1 week
28, 29, 30 or 31 days.....1 calendar month	
30 days=1 month.....in computing interest	
365 days=1 year.....366 days=1 leap year	

MISCELLANEOUS

3 inches=1 palm	4 inches=1 hand
6 inches=1 span	18 inches=1 cubit
21.6 inches.....1 Bible cubit	
2 1/2 feet.....1 military pace	

METRIC EQUIVALENTS—Linear Measure

1 centimeter.....	0.3937 inch
1 inch.....	2.54 centimeters
1 decimeter.....	3.937 inches
1 foot.....	3.048 decimeters
1 meter.....	39.37 inches
1 yard.....	0.9144 meter
1 dekameter.....	1.9884 rods
1 rod.....	0.5029 dekameter
1 kilometer.....	0.62137 mile
1 mile.....	1.6093 kilometers

Square Measure

1 square centimeter.....	0.1550 square inch
1 square inch.....	6.452 square centimeters
1 square decimeter.....	0.1076 square foot
1 square foot.....	9.2903 square decimeters
1 square meter.....	1.196 square yards
1 square yard.....	0.8361 square meter
1 are.....	3.954 square rods
1 square rod.....	0.2529 are
1 hectare.....	2.47 acres
1 acre.....	0.4047 hectare
1 square kilometer.....	0.386 square mile
1 square mile.....	2.59 square kilometers

Measure of Volume

1 cubic centimeter.....	0.061 cubic inch
1 cubic inch.....	16.39 cubic centimeters
1 cubic decimeter.....	0.0353 cubic foot
1 cubic foot.....	28.317 cubic decimeters
1 cubic meter.....	1.308 cubic yards
1 cubic yard.....	0.7648 cubic meter
1 stere.....	0.2759 cord
1 cord.....	3.624 sterca
1 liter=0.908 quart dry	1.0567 quarts liquid
1 quart dry.....	1.101 liters
1 quart liquid.....	0.9463 liter
1 dekaliter=2.6417 gallons	135 pecks
1 gallon.....	0.3785 dekaliter
1 peck.....	0.881 dekaliter
1 hectoliter.....	2.8375 bushels
1 bushel.....	0.3524 hectoliter

Weights

1 gram.....	0.03527 ounce
1 ounce.....	28.35 grams
1 kilogram.....	2.2046 pounds
1 pound.....	0.4536 kilogram
1 metric ton.....	1.1023 English tons
1 English ton.....	0.9072 metric ton

APPROXIMATE METRIC EQUIVALENTS

1 decimeter.....	4 inches
1 liter.....	1.06 quarts liquid, 0.9 quart dry
1 meter.....	1.1 yards
1 kilometer.....	1/2 of a mile
1 hectoliter.....	2 1/2 bushels
1 kilogram.....	2 1/5 pounds
1 stere, or cubic meter.....	1/4 of a cord
1 metric ton.....	2,200 pounds

TEMPERATURES

Fahrenheit

Milk.....	Freezes 30° above Zero
Water.....	Freezes 32° above Zero
Olive Oil.....	Freezes 36° above Zero
Wines.....	Freeze 20° above Zero
Vinegar.....	Freezes 28° above Zero

Alcohol.....	Boils at 173° above Zero
Blood Heat.....	93.4° above Zero
Eggs Hatch.....	104° above Zero
Water.....	Boils at 212° above Zero
Petroleum.....	(average) Boils at 306° above Zero

Distances from New York to Cities in United States

The distance herein shown is that via the quickest route and the lines carrying the bulk of the mails

Cities in U. S.	Miles	Cities in U. S.	Miles	Cities in U. S.	Miles
Albany, N. Y.....	145	Fargo, N. Dak.....	1,613	Pittsburgh, Pa.....	441
Albuquerque, N. Mex.	2,260	Ft. Worth, Tex.....	1,773	Portland, Me.....	341
Alliance, Neb.....	1,875	Galveston, Tex.....	1,764	Portland, Ore.....	3,162
Amarillo, Tex.....	1,920	Grand Rapids, Mich..	779	Prescott, Ariz.....	2,724
Atlanta, Ga.....	876	Greensboro, N. C.....	515	Providence, R. I.....	189
Atlantic City, N. J....	143	Harrisburg, Pa.....	196	Reno, Nev.....	2,936
Augusta, Me.....	402	Hartford, Conn.....	112	Richmond, Va.....	343
Baltimore, Md.....	187	Helena, Mont.....	2,438	Roanoke, Va.....	452
Birmingham, Ala.....	990	Hot Springs, Ark.....	1,367	St. Louis, Mo.....	1,053
Bismarck, N. Dak.....	1,753	Indianapolis, Ind.....	812	St. Paul, Minn.....	1,307
Boise, Idaho.....	2,783	Ishpeming, Mich.....	1,354	Salt Lake City, Utah..	2,452
Boston, Mass.....	232	Jackson, Miss.....	1,239	San Francisco, Cal....	3,180
Bristol, Tenn.....	604	Jacksonville, Fla.....	982	Santa Fe, N. Mex.....	2,173
Buffalo, N. Y.....	396	Kansas City, Mo.....	1,331	Savannah, Ga.....	845
Burlington, Vt.....	303	Little Rock, Ark.....	1,291	Seattle, Wash.....	3,107
Butte, Mont.....	2,498	Los Angeles, Calif....	3,111	Sheridan, Wyo.....	2,209
Cape May, N. J.....	174	Louisville, Ky.....	865	Shreveport, La.....	1,456
Carson City, Nev.....	3,016	Manchester, N. H.....	290	Sioux Falls, S. Dak....	1,507
Charleston, S. C.....	736	Memphis, Tenn.....	1,158	Spokane, Wash.....	2,787
Charleston, W. Va.....	614	Milwaukee, Wis.....	994	Springfield, Ill.....	1,009
Chattanooga, Tenn....	853	Mobile, Ala.....	1,229	Springfield, Mass.....	136
Cheyenne, Wyo.....	1,913	Montpelier, Vt.....	327	Superior, Wis.....	1,427
Chicago, Ill.....	909	Newark, N. J.....	9	Syracuse, N. Y.....	290
Cincinnati, O.....	751	New Orleans, La.....	1,345	Tacoma, Wash.....	3,125
Cleveland, O.....	579	Norfolk, Va.....	347	Tampa, Fla.....	1,190
Columbus, O.....	624	Ogden, Utah.....	2,397	Topeka, Kans.....	1,409
Concord, N. H.....	292	Oklahoma, Okla.....	1,596	Trenton, N. J.....	57
Cumberland, Md.....	378	Omaha, Neb.....	1,397	Vicksburg, Miss.....	1,288
Deadwood, S. Dak....	1,957	Parkersburg, W. Va..	600	Vinita, Okla.....	1,412
Denver, Colo.....	1,943	Pendleton, Ore.....	3,017	Washington, D. C....	227
Des Moines, Ia.....	1,267	Philadelphia, Pa.....	92	Wheeling, W. Va.....	496
Detroit, Mich.....	648	Phoenix, Ariz.....	2,724	Wichita, Kans.....	1,565
Duluth, Minn.....	1,522			Wilmington, Del.....	117
El Paso, Tex.....	2,298			Wilmington, N. C....	593

Distances and Mail Time to Foreign Cities from New York

By Postal Route to—	Statute Miles	Days	By Postal Route to—	Statute Miles	Days
Adelaide, via Vancouver.....	11,843	32	Hong Kong	10,453	23
Alexandria, via London.....	6,135	17	Honolulu	5,599	12
Amsterdam, via London.....	4,043	11	Liverpool	3,707	10
Antwerp, via London.....	4,015	11	London	3,812	9
Athens, via London.....	5,432	18	Madrid	4,851	13
Bahia, Brazil	4,709	17	Melbourne	11,253	31
Bangkok, Siam	14,039	38	Mexico City	3,760	6
Batavia, Java	11,991	35	Panama	2,323	7
Berlin	4,597	12	Paris	3,940	10
Bombay	9,434	25	Petrograd	5,630	18
Bremen	4,294	11	Quebec, Que.	555	2
Buenos Ayres	6,914	18	Rio de Janeiro	5,493	13
Calcutta	11,324	28	Rome	4,854	14
Cape Town	11,033	27	Rotterdam	4,016	10
Constantinople	5,809	22	San Juan, Porto Rico.....	1,611	5
Florence	4,683	13	Shanghai	9,530	23
Glasgow	3,656	10	Stockholm	5,405	15
Greytown, via New Orleans.....	2,816	11	Sydney	11,496	30
Halifax, N. S.....	680	2	Valparaiso	5,333	21
Hamburg	4,317	11	Vienna	4,795	14
Havana	1,560	3	Yokohama, via San Francisco.....	8,717	18

CENSUS 1940

Cities in U. S. A. of 15,000 and over

Aberdeen, S. D. 17,015	Beverly, Mass. 25,537	Columbia, S. C. 62,396
Aberdeen, Wash. 18,846	Biddeford, Me. 19,790	Columbus, Ga. 53,280
Ablene, Tex. 26,612	Billings, Mont. 23,261	Columbus, Ohio. 306,087
Abington, Pa. 20,857	Biloxi, Miss. 17,475	Compton, Cal. 16,198
Ada, Okla. 15,143	Binghamton, N. Y. 78,309	Concord, N. C. 15,572
Akron, Ohio. 244,791	Birmingham, Ala. 267,583	Concord, N. H. 27,171
Alameda, Cal. 36,256	Bismarck, N. D. 15,496	Corning, N. Y. 16,212
Albany, Ga. 19,055	Bloomfield, N. J. 41,623	Cor. Christi, Tex. 57,301
Albany, N. Y. 130,577	Bloomington, Ill. 32,868	Corsicana, Tex. 15,232
Albuquerque, N. M. 35,449	Bloomington, Ind. 20,870	Cortland, N. Y. 15,881
Alexandria, La. 27,066	Bluefield, W. Va. 20,641	Coun. Bluffs, Ia. 41,439
Alexandria, Va. 33,523	Blue Island, Ill. 16,638	Covington, Ky. 62,018
Alhambra, Cal. 38,935	Boise City, Idaho. 26,130	Cranston, R. I. 47,085
Alliquippa, Pa. 27,023	Boston, Mass. 770,816	Cumberland, Md. 39,483
Allentown, Pa. 96,904	Braddock, Pa. 18,326	Cuyahoga Falls, O. 20,546
Alliance, Ohio. 22,405	Bradford, Pa. 17,691	Dallas, Tex. 294,734
Alton, Ill. 31,255	Braintree, Mass. 16,378	Danbury, Conn. 22,339
Altoona, Pa. 80,214	Brem'ton, Wash. 15,134	Danville, Ill. 36,919
Amarillo, Tex. 51,686	Bridgeport, Conn. 147,121	Danville, Va. 32,749
Ambridge, Pa. 18,968	Bridgeton, N. J. 15,992	Davenport, Ia. 66,039
Amsterdam, N. Y. 33,329	Bristol, Conn. 30,167	Dayton, Ohio. 210,718
Anderson, Ind. 41,572	Brookton, Mass. 62,343	Daytona Bch, Fla. 22,584
Anderson, S. C. 19,424	Brookline, Mass. 49,786	Dearborn, Mich. 63,584
Ann Arbor, Mich. 29,815	Brownsville, Tex. 22,083	Decatur, Ala. 16,604
Annonist, Ala. 25,523	Brunswick, Ga. 15,035	Decatur, Ga. 16,561
Ansonia, Conn. 19,210	Buffalo, N. Y. 575,901	Decatur, Ill. 59,305
Appleton, Wis. 28,436	Burbank, Cal. 34,337	Dedham, Mass. 15,508
Ardmore, Okla. 16,886	Burlingame, Cal. 15,940	Denison, Tex. 15,581
Arlington, Mass. 40,013	Burlington, Ia. 25,832	Denver, Colo. 322,412
Arlington, Va. 57,040	Burlington, Vt. 27,686	Des Moines, Ia. 159,819
Asheville, N. C. 51,310	Butler, Pa. 24,477	Detroit, Mich. 1,623,452
Ashland, Ky. 29,537	Butte, Mont. 37,081	Dothan, Ala. 17,194
Ashtabula, Ohio. 21,405	Cambridge, Mass. 110,879	Dubuque, Ia. 43,892
Athens, Ga. 20,650	Cambridge, Ohio. 15,044	Duluth, Minn. 101,065
Atlanta, Ga. 302,288	Camden, N. J. 117,536	Dunkirk, N. Y. 17,713
Atlantic City, N. J. 64,094	Canton, Ohio. 108,401	Dunmore, Pa. 23,086
Attleboro, Mass. 22,071	Cape Gir'd'u, Mo. 19,426	Duquesne, Pa. 20,693
Auburn, Me. 19,817	Carbondale, Pa. 19,371	Durham, N. C. 60,195
Auburn, N. Y. 35,753	Casper, Wyo. 17,964	East Chicago, Ind. 54,637
Augusta, Ga. 65,919	Cedar Rapids, Ia. 62,120	E. Cleveland, O. 39,495
Augusta, Me. 19,360	Central Falls, R. I. 25,248	E. Hartford, Conn. 18,615
Aurora, Ill. 47,170	Centralia, Ill. 16,343	E. Liverpool, O. 23,555
Austin, Minn. 18,307	Champaign, Ill. 23,302	Easton, Pa. 33,589
Austin, Tex. 87,930	Charleston, S. C. 71,275	East Orange, N. J. 68,945
Bakersfield, Cal. 29,252	Ch'leston, W. Va. 67,914	E. Provid., R. I. 32,165
Baltimore, Md. 859,100	Charlotte, N. C. 100,899	E. St. Louis, Ill. 75,609
Bangor, Me. 29,822	Charl'tesv'le, Va. 19,400	Eau Claire, Wis. 30,745
Barberton, Ohio. 24,028	Chat'ooga, Tenn. 128,163	El Dorado, Ark. 15,858
Barthlesville, Okla. 16,267	Chelsea, Mass. 41,259	Elgin, Ill. 38,333
Batavia, N. Y. 17,267	Cheltenham, Pa. 19,082	Elizabeth, N. J. 109,912
Baton Rouge, La. 34,719	Chester, Pa. 59,285	Elkhart, Ind. 33,434
Battle C'k, Mich. 43,453	Cheyenne, Wyo. 22,474	Elmhurst, Ill. 15,458
Bay City, Mich. 47,956	Chicago, Ill. 3,396,808	Elmira, N. Y. 45,106
Bayonne, N. J. 79,198	Chicago Hts., Ill. 22,461	El Paso, Tex. 96,810
Beaumont, Tex. 59,061	Chicopee, Mass. 41,664	Elyria, Ohio. 25,120
Beaver Falls, Pa. 17,098	Chillicothe, Ohio. 20,129	Endicott, N. Y. 17,702
Bellefonte, Pa. 28,405	Cicero, Ill. 64,712	Englewood, N. J. 18,966
Bellefonte, N. J. 28,167	Cincinnati, Ohio. 455,610	Enid, Okla. 28,081
Bell'gham, Wash. 29,314	Clairton, Pa. 16,381	Erie, Pa. 116,955
Belmont, Mass. 26,867	Clarks'b'g, W. Va. 30,579	Euclid, Ohio. 17,866
Beloit, Wis. 25,365	Cleveland, Ohio. 878,336	Eugene, Ore. 20,838
Belvedere, Cal. 37,192	Cleveland Hts., O. 54,992	Eureka, Cal. 17,055
Ben. H'bor, Mich. 16,668	Cliffside Pk., N. J. 16,892	Evanston, Ill. 65,389
Berkeley, Cal. 85,547	Clifton, N. J. 48,827	Evansville, Ind. 97,062
Berlin, N. H. 19,084	Clinton, Ia. 26,270	Everett, Mass. 46,784
Berwyn, Ill. 48,451	Coffeyville, Kan. 17,355	Everett, Wash. 30,224
Beasemer, Ala. 22,326	Cohoes, N. Y. 21,955	Fairmont, W. Va. 23,105
Bethlehem, Pa. 58,490	Colo. Spgs., Colo. 36,789	Fall River, Mass. 115,428
Beverly Hills, Cal. 26,823	Columbia, Mo. 18,399	

Census 1940 - Continued

Fargo, N. D.... 32,580
 Fayetteville, N. C. 17,428
 Ferndale, Mich.. 22,523
 Findlay, Ohio.... 20,228
 Fitchburg, Mass.. 41,824
 Flint, Mich.....151,543
 Florence, Ala..... 15,043
 Florence, S. C.... 16,054
 Fd. du Lac, Wis.. 27,209
 Ft. Dodge, Ia.... 22,904
 Ft. Laud'le, Fla. 17,996
 Fort Smith, Ark. 36,584
 Ft. Wayne, Ind.. 118,410
 Ft. Worth, Tex.. 177,662
 Fram'ham, Mass. 23,214
 Frederick, Md. .. 15,802
 Freeport, Ill..... 22,366
 Freeport, N. Y... 20,410
 Fresno, Cal..... 60,685

Gadsden, Ala..... 36,975
 Galesburg, Ill.... 28,876
 Galveston, Tex... 60,862
 Gardner, Mass... 20,206
 Garfield, N. J.... 28,044
 Garfield Hts., O. 16,989
 Gary, Ind.....111,719
 Gastonia, N. C.. 21,313
 Geneva, N. Y.... 15,555
 Glendale, Cal.... 82,582
 Glens Falls, N.Y. 18,836
 Gloucester, Mass. 24,046
 Gloversville, N. Y. 23,329
 Goldsboro, N. C. 17,274
 Gd. Forks, N. D. 20,228
 Gd. Island, Neb.. 19,130
 G. R'pids, Mich.. 164,292
 Granite City, Ill. 22,974
 Great Falls, Mont. 29,928
 Greeley, Colo.... 15,995
 Green Bay, Wis. 46,235
 Greenfield, Mass. 15,672
 Greensboro, N. C. 59,319
 Greensburg, Pa. 16,743
 Greenville, Miss. 20,892
 Greenville, S. C. 34,734
 Gulfport, Miss... 15,195

Hackensack, N. J. 26,279
 Hagerstown, Md. 32,491
 Hamilton, Ohio... 50,592
 Hammond, Ind... 70,184
 Hamtra'ck, Mich. 49,839
 Hannibal, Mo.... 20,865
 Hanover, Pa. ... 16,439
 Harrisburg, Pa.. 83,893
 Hartford, Conn.. 166,267
 Harvey, Ill..... 17,878
 Hastings, Neb.... 15,145
 Hattiesburg, Miss. 21,026
 Haverford, Pa... 27,594
 Haverhill, Mass.. 46,752
 Hazelton, Pa.... 38,009
 Helena, Mont.... 15,056
 Hempstead, N. Y. 20,856
 Hibbing, Minn... 16,385
 Highl'd Pk. Mich. 50,810
 High Point, N.C. 38,495
 Hillside, N. J.... 18,556
 Hoboken, N. J.. 50,115
 Holyoke, Mass. .. 53,750
 Homestead, Pa. . 19,041
 Hornell, N. Y... 15,649
 Hot Springs, Ark. 21,370

Houston, Tex. ...384,514
 Hunt'ton, W. Va. 78,836
 Hunting. Pk., Cal. 28,648
 Hutchinson, Kan.. 30,013
 Idaho Falls, Idaho 15,024
 Independence, Mo. 16,066
 Indian'olis, Ind..386,972
 Inglewood, Cal... 30,114
 Iowa City, Ia.... 17,182
 Irondequoit, N.Y. 23,376
 Ironton, Ohio.... 15,851
 Irvington, N. J.. 55,328
 Ithaca, N. Y.... 19,730

Jackson, Mich. .. 49,656
 Jackson, Miss.... 62,107
 Jackson, Tenn... 24,332
 Jacksonville, Fla.. 173,065
 Jacksonville, Ill. 19,844
 Jamestown, N. Y. 42,638
 Janesville, Wis.. 22,992
 Jeannette, Pa. .. 16,220
 Jeff'rson City, Mo. 24,268
 Jer. City, N. J.. 301,173
 John. City, N. Y. 18,039
 John. City, Tenn. 22,763
 Johnstown, Pa. .. 66,668
 Joliet, Ill..... 42,365
 Joplin, Mo..... 37,144

Kalamazoo, Mich. 54,097
 Kankakee, Ill.... 22,241
 Kan. City, Kan.. 121,458
 Kan. City, Mo... 399,178
 Kearny, N. J.... 39,467
 Kenmore, N. Y... 18,612
 Kenosha, Wis. .. 48,765
 Keokuk, Ia..... 15,076
 Kewanee, Ill.... 16,901
 Kingston, N. Y... 28,589
 Kingston, Pa. .. 20,679
 Kingston, N. C.. 15,388
 Kl'ath Falls, Ore. 16,497
 Knoxville, Tenn. 111,580
 Kokomo, Ind..... 33,795

Lackawanna, N.Y. 24,058
 La Crosse, Wis.. 42,707
 Lafayette, Ind... 28,798
 Lafayette, La.... 19,210
 La Grange, Ga... 21,983
 Lake Charles, La. 21,207
 Lakeland, Fla.... 22,068
 Lakewood, Ohio.. 69,160
 Lancaster, Ohio... 21,940
 Lancaster, Pa. .. 61,345
 Lansing, Mich... 78,753
 La Porte, Ind.... 16,180
 Laredo, Tex. ... 39,274
 Laurel, Miss..... 20,598
 Lawrence, Mass.. 84,323
 Lawton, Okla.... 18,055
 Leavenworth, Kan. 19,220
 Lebanon, Pa. ... 27,206
 Leominster, Mass. 22,226
 Lewiston, Me. ... 38,598
 Lexington, Ky... 49,304
 Lima, Ohio..... 44,711
 Lincoln, Neb.... 81,984
 Lincoln Pk., Mich. 15,236
 Linden, N. J.... 24,115
 Little Rock, Ark. 88,039
 Lockport, N. Y.. 24,379

Logansport, Ind.. 20,177
 Long Beach, Cal.. 164,271
 Long Branch, N.J. 17,408
 Lorain, Ohio..... 44,125
 Los Ang'les, Cal. 1,504,277
 Louisville, Ky.... 319,077
 Lowell, Mass.... 101,389
 Lower Merion, Pa. 39,566
 Lubbock, Tex. ... 31,853
 Lynchburg, Va... 44,541
 Lyndhurst, N. J. 17,454
 Lynn, Mass..... 98,123

Macon, Ga..... 57,865
 Madison, Wis.... 67,447
 Malden, Mass.... 58,010
 Manchester, N. H. 77,685
 Manitowoc, Wis.. 24,404
 Mankato, Minn... 15,654
 Mansfield, Ohio... 37,154
 Maplewood, N. J. 23,139
 Marion, Ind..... 26,767
 Marion, Ohio..... 30,817
 Marshall, Tex.... 18,410
 Marshalltown, Ia. 19,240
 Mart'sb'g, W. Va. 15,063
 Mason City, Ia... 27,080
 Massillon, Ohio.. 26,644
 Mattoon, Ill..... 15,827
 Maywood, Ill.... 26,648
 McKeesport, Pa.. 55,355
 McKees Rocks, Pa. 17,021
 Meadville, Pa. ... 18,919
 Medford, Mass... 63,083
 Melrose, Mass.... 25,333
 Memphis, Tenn... 292,942
 Meriden, Conn.... 39,494
 Meridian, Miss... 35,481
 Methuen, Mass... 21,880
 Miami, Fla..... 172,172
 Miami Bch., Fla. 28,012
 Mich. City, Ind.. 26,476
 Middletown, Conn. 26,495
 Middletown, N. Y. 21,908
 Middletown, Ohio 31,220
 Milford, Mass.... 15,388
 Milton, Mass..... 18,703
 Milwaukee, Wis.. 587,472
 Min'polis, Minn. 492,370
 Minot, N. D. 16,577
 Mishawaka, Ind... 28,298
 Missoula, Mont.. 13,449
 Mobile, Ala..... 78,720
 Modesto, Cal..... 16,379
 Moline, Ill..... 34,608
 Monessen, Pa.... 20,257
 Monroe, La..... 28,309
 Monroe, Mich.... 18,478
 Montclair, N. J.. 39,807
 Montgomery, Ala. 78,084
 Morg't'n, W. Va. 16,655
 Morristown, N. J. 15,270
 Mt. Carmel, Pa. 17,780
 Marl'burgh, Mass. 15,154
 Marquette, Mich. 15,928
 Mt. Lebanon, Pa. 19,571
 Mt. Vernon, N.Y. 67,362
 Muncie, Ind..... 49,720
 Muscatine, Ia.... 18,286
 Muskogon, Mich.. 47,697
 M'k'n Hts., Mich. 16,047
 Muskogee, Okla.. 32,332
 Nanticoke, Pa. ... 24,387

Census 1940 - Continued

Nashua, N. H.	32,927	Phenix City, Ala. 15,351	S. Antonio, Tex. 253,854
Nashville, Tenn. 167,402		Phila., Pa.1,931,334	San Bern., Cal. . 43,646
Natchez, Miss.	15,296	Phillipsburg, N. J. 18,314	San Diego, Cal. . 203,341
Naugatuck, Conn.	15,388	Phoenix, Ariz.	65,414
New Albany, Ind. 25,414		Pine Bluff, Ark. . 21,290	Sandusky, Ohio. . . 24,874
Newark, N. J.429,760		Piqua, Ohio.	16,049
Newark, Ohio.	31,487	Pittsburg, Kan.	17,571
N. Bedf'd, Mass.	110,341	Pittsburgh, Pa.	671,659
N. Britain, Conn. 68,685		Pittsfield, Mass.	49,684
N. Brunsw'k, N. J. 33,180		Pittston, Pa.	17,828
Newburgh, N. Y. 31,883		Plainfield, N. J.	37,469
New Castle, Ind. 16,620		Plains, Pa.	15,621
New Castle, Pa. 47,638		Plattsburgh, N. Y. 16,351	
N. Haven, Conn. 160,605		Plymouth, Pa.	15,507
N. Kens'ton, Pa. 24,055		Pocatello, Idaho.	18,133
N. London, Conn. 30,456		Pomona, Cal.	23,539
New Orleans, La. 494,537		Ponca City, Okla. 16,794	
Newport, Ky.	30,631	Pontiac, Mich.	66,626
Newport, R. I.	30,532	Pt. Arthur, Tex.	46,140
Newport News, Va. 37,067		Pt. Chester, N. Y. 23,073	
N. Rochelle, N. Y. 58,408		Pt. Huron, Mich. 32,759	
Newton, Mass.	69,873	Portland, Me.	73,643
New York, N. Y. 7,454,995		Portland, Ore.	305,394
Niag. Falls, N. Y. 78,029		Portsmouth, Ohio. 40,466	
Niles, Ohio.	16,273	Portsmouth, Va.	50,745
Norfolk, Va.144,332		Pottstown, Pa.	20,194
Norristown, Pa.	38,181	Pottsville, Pa.	24,530
No. Adams, Mass. 22,213		P'ghkeepsie, N. Y. 40,478	
North'pton, Mass. 24,794		Providence, R. I. 253,504	
No. Bergen, N. J. 39,714		Provo, Utah	18,071
No. Braddock, Pa. 15,679		Pueblo, Colo.	52,162
No. Lit. Rock, Ark. 21,137			
No. To'w'da, N. Y. 20,254		Quincy, Ill.	40,469
Norwalk, Conn.	39,849	Quincy, Mass.	75,810
Norwich, Conn.	23,652		
Norwood, Mass.	15,383	Racine, Wis.	67,195
Norwood, Ohio.	34,010	Rahway, N. J.	17,498
Nutley, N. J.	21,954	Raleigh, N. C.	46,897
		Reading, Pa.	110,568
Oakland, Cal.302,163		Reno, Nev.	21,317
Oak Park, Ill.	66,015	Revere, Mass.	34,405
Ogden, Utah	43,688	Richmond, Cal.	23,642
Ogdensburg, N. Y. 16,346		Richmond, Ind.	35,147
Oil City, Pa.	20,379	Richmond, Va.	193,042
Okla. City, Okla. 204,424		Riv. R'uge, Mich. 17,008	
Okmulgee, Okla.	16,051	Riverside, Cal.	34,696
Olean, N. Y.	21,506	Roanoke, Va.	69,287
Omaha, Neb.223,844		Rochester, Minn.	26,312
Orange, N. J.	35,717	Rochester, N. Y. 324,975	
Orlando, Fla.	36,736	Rockford, Ill.	84,637
Oshkosh, Wis.	39,089	Rock Hill, S. C. 15,009	
Ossining, N. Y.	15,996	Rock Island, Ill.	42,775
Oswego, N. Y.	22,062	Rock Centre, N. Y. 18,613	
Ottawa, Ill.	16,005	Rocky Mt., N. C.	25,568
Ottumwa, Ia.	31,570	Rome, Ga.	26,282
Owensboro, Ky.	30,245	Rome, N. Y.	34,214
		Royal Oak, Mich. 25,087	
Paducah, Ky.	33,765	Rutherford, N. J. 15,466	
Palo Alto, Cal.	16,774	Rutland, Vt.	17,082
Paris, Tex.	18,678		
Park'sb'g, W. Va. 30,103		Sacramento, Cal. 105,958	
Parma, Ohio.	16,365	Saginaw, Mich.	82,794
Pasadena, Cal.	81,864	St. Cloud, Minn. 24,173	
Passaic, N. J.	61,394	St. Joseph, Mo.	75,711
Paterson, N. J.	139,656	St. Louis, Mo.	816,048
Pawtucket, R. I. 75,797		St. Paul, Minn. 287,736	
Peabody, Mass.	21,711	St. Petersb'g, Fla. 60,812	
Pekins, N. Y.	17,311	Salem, Mass.	41,213
Pekin, Ill.	19,407	Salem, Ore.	30,908
Pennsauken, N. J. 17,745		Salina, Kan.	21,073
Pensacola, Fla.	37,449	Salisbury, N. C.	19,037
Peoria, Ill.	105,087	S. Lake C., Utah. 149,934	
Perth Amboy, N. J. 41,242		San Angelo, Tex. 25,802	
Petersburg, Va.	30,631		
		S. Antonio, Tex. 253,854	
		San Bern., Cal. . 43,646	
		San Diego, Cal. . 203,341	
		Sandusky, Ohio. . . 24,874	
		San Fran., Cal. 634,536	
		San Jose, Cal.	68,457
		San Mateo, Cal.	19,403
		Santa Ana, Cal. 31,921	
		Santa Bar., Cal. . 34,958	
		Santa Cruz, Cal.	16,896
		Santa Fe, N. M. 20,325	
		Santa Monica, Cal. 53,500	
		S. Ste. Mar., Mich. 15,847	
		Savannah, Ga.	95,996
		Schenectady, N. Y. 87,549	
		Scranton, Pa.	140,404
		Seattle, Wash.	368,302
		Sedalia, Mo.	20,428
		Selma, Ala.	19,834
		Shaker Hts., O.	23,393
		Shamokin, Pa.	18,810
		Sharon, Pa.	25,622
		Shawnee, Okla.	22,053
		Sheboygan, Wis.	40,638
		Shenandoah, Pa.	19,790
		Sherman, Tex.	17,156
		Shorewood, Wis.	15,184
		Shreveport, La.	98,167
		Sioux City, Ia.	82,364
		Sioux Falls, S. D. 40,832	
		Somerv'le, Mass. 102,177	
		So. Bend, Ind.	101,268
		South'b'dge, Mass. 16,825	
		South Gate, Cal. 26,945	
		So. Portland, Me. 15,781	
		Spart'burg, S. C. 32,249	
		Spokane, Wash.	122,001
		Springfield, Ill.	75,503
		Spr'gfield, Mass. 149,554	
		Springfield, Mo.	61,238
		Springfield, Ohio. 70,662	
		Stamford, Conn. 47,938	
		Staunton, Va.	15,337
		Steubenville, Ohio 37,651	
		Stevens Pt., Wis.	15,777
		Stockton, Cal.	54,714
		Stratford, Conn.	22,580
		Summit, N. J.	16,165
		Sumter, S. C.	15,874
		Sunbury, Pa.	15,462
		Superior, Wis.	35,136
		Swissvale, Pa.	15,919
		Syracuse, N. Y.	205,967
		Tacoma, Wash.	109,408
		Tallahassee, Fla.	16,240
		Tampa, Fla.	108,391
		Taunton, Mass.	37,395
		Teaneck, N. J.	25,275
		Temple, Tex.	15,344
		Terre Haute, Ind.	62,693
		Texarkana, Tex.	17,019
		Tiffin, Ohio.	16,102
		Toledo, Ohio.	282,349
		Topeka, Kan.	67,833
		Torrington, Conn. 26,988	
		Trenton, N. J.	124,697
		Troy, N. Y.	70,304
		Tucson, Ariz.	36,818
		Tulsa, Okla.	142,157
		Tuscaloosa, Ala.	27,493
		Tyler, Tex.	28,279
		Union, N. J.	24,730

Census 1940 - Continued

Union City, N. J.	56,173
Uniontown, Pa.	21,819
University City, Mo.	23,023
Upper Darby, Pa.	56,283
Utica, N. Y.	100,518
Valdosta, Ga.	15,595
Vallejo, Cal.	20,072
Val Stream, N.Y.	16,679
Vancouver, Wash.	18,788
Vicksburg, Miss.	24,460
Vincennes, Ind.	18,228

Waco, Tex.	55,982
Wakefield, Mass.	16,223
W. Walla, Wash.	18,109
Waltham, Mass.	40,020
Warren, Ohio.	42,837
Warwick, R. I.	28,757
Washington, D. C.	663,091
Washington, Pa.	26,166
Waterbury, Conn.	99,314
Waterloo, Ia.	51,743
Watertown, Mass.	35,427
Watertown, N. Y.	33,385
Waterville, Me.	16,688
Watervliet, N. Y.	16,114
Waukegan, Ill.	34,241
Waukesha, Wis.	19,242
Wausau, Wis.	27,268
Wauwatosa, Wis.	27,769
Waycross, Ga.	16,763
Webster Groves, Mo.	18,394
Wellesley, Mass.	15,127
West Allis, Wis.	36,364
Westfield, N. J.	18,458
Westfield, Mass.	18,793
W. Hartford, Conn.	33,776
W. Haven, Conn.	30,021
West N. Y., N. J.	39,439
W. Orange, N. J.	25,662
W. Palm B., Fla.	33,693
W. Sp'gh'd, Mass.	17,135
W. Warwick, R.I.	18,188
Weymouth, Mass.	23,868
Wheeling, W. Va.	61,099
White Plains, N.Y.	40,327
Whittier, Cal.	16,115
Wichita, Kan.	114,966
Wich Falls, Tex.	45,112
Wilkes-Barre, Pa.	86,236
Wilkinsburg, Pa.	29,853
Williamsport, Pa.	44,355
Wilmette, Ill.	17,226
Wilmington, Del.	112,504
Wilmington, N. C.	33,407
Wilson, N. C.	19,234
Winchester, Mass.	15,081
Winona, Minn.	22,490
Win.-Salem, N.C.	79,815
Winthrop, Mass.	16,768
Woburn, Mass.	19,751
Woodbridge, N. J.	27,191
Woonsocket, R. I.	49,303
Worcester, Mass.	193,694
Wyandotte, Mich.	30,618

Yakima, Wash.	27,221
Yonkers, N. Y.	142,598
York, Pa.	56,712
Youngstown, Ohio.	167,720

Zanesville, Ohio.	37,500
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POPULATION BY STATES

	1940	1930	Increase%
Alabama	2,832,961	2,646,248	7.1
Arizona	499,261	435,573	14.6
Arkansas	1,949,387	1,854,482	5.1
California	6,907,387	5,677,251	21.1
Colorado	1,123,296	1,035,791	8.5
Connecticut	1,709,242	1,606,903	
Delaware	266,505	238,380	1
Dist. of Columbia	663,091	486,869	3
Florida	1,897,414	1,468,211	2
Georgia	3,123,723	2,908,506	
Idaho	524,873	445,032	17
Illinois	7,897,241	7,630,654	3
Indiana	3,427,796	3,238,503	
Iowa	2,538,268	2,470,939	
Kansas	1,801,023	1,880,999	*
Kentucky	2,845,627	2,614,589	8
Louisiana	2,363,880	2,101,593	12
Maine	847,226	797,423	6
Maryland	1,821,244	1,631,526	11
Massachusetts	4,316,721	4,249,614	1.6
Michigan	5,256,106	4,842,325	8.5
Minnesota	2,792,300	2,563,953	8.9
Mississippi	2,183,796	2,009,821	8.7
Missouri	3,784,664	3,629,367	4.3
Montana	559,456	537,606	4.1
Nebraska	1,315,834	1,377,963	*4.5
Nevada	110,247	91,058	21.1
New Hampshire	491,524	465,293	5.6
New Jersey	4,160,165	4,041,334	2.9
New Mexico	531,818	423,317	25.6
New York	13,479,142	12,588,066	7.1
North Carolina	3,571,623	3,170,276	12.7
North Dakota	641,935	680,845	*5.7
Ohio	6,907,612	6,646,697	3.9
Oklahoma	2,336,434	2,396,040	*2.5
Oregon	1,089,684	953,786	14.2
Pennsylvania	9,900,180	9,631,350	2.8
Rhode Island	713,346	687,497	3
South Carolina	1,899,804	1,738,765	9.2
South Dakota	642,961	692,849	*7.2
Tennessee	2,915,841	2,616,556	11.4
Texas	6,414,824	5,824,715	10.1
Utah	550,310	507,847	8.4
Vermont	359,231	359,611	*0.
Virginia	2,677,773	2,421,851	10
Washington	1,736,191	1,563,396	11.1
West Virginia	1,901,974	1,729,205	10.3
Wisconsin	3,137,587	2,939,006	6.8
Wyoming	250,742	225,565	11.2

* Denotes decrease.

	1940	1930
Alaska	72,524	59,100
American Samoa	12,908	10,000
Guam	22,290	18,500
Hawaii	423,330	368,336
Panama Canal Zone	51,827	39,467
Puerto Rico	1,869,255	1,543,918
Virgin Islands	24,889	22,019
Military, Naval, etc., abroad	118,933	89,400
Philippine Islands	16,356,000	13,513,000

Territories and Possessions..	18,951,956	15,664,000
Continental United States..	131,669,275	122,775,000
Total United States.....	150,621,231	138,439,000

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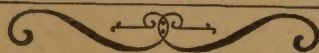
33½ x 50 dimensions of screens
 on No 3 Monitor,

Seed Rice purity

AA = 15 red grams per #

T. Patna = No Red - .2 off type " "

1947—Calendar—1947



JANUARY

SUN	MON	TUE	WED	THU	FRI	SAT
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

JULY

SUN	MON	TUE	WED	THU	FRI	SAT
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

FEBRUARY

SUN	MON	TUE	WED	THU	FRI	SAT
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	

AUGUST

SUN	MON	TUE	WED	THU	FRI	SAT
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

MARCH

SUN	MON	TUE	WED	THU	FRI	SAT
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

SEPTEMBER

SUN	MON	TUE	WED	THU	FRI	SAT
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

APRIL

SUN	MON	TUE	WED	THU	FRI	SAT
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

OCTOBER

SUN	MON	TUE	WED	THU	FRI	SAT
		1	2	3	4	
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

MAY

SUN	MON	TUE	WED	THU	FRI	SAT
			1	2	3	
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

NOVEMBER

SUN	MON	TUE	WED	THU	FRI	SAT
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
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JUNE

SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

DECEMBER

SUN	MON	TUE	WED	THU	FRI	SAT
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

